

LOG BOOK
OF THE
U. S. Steamer Essex
Third Rate,
of Six Guns,

COMMANDED BY
Commander Winfield Scott Schley, U. S. Navy,
Attached to Squadron,
Commencing , 18 ,
at ,
and ending , 18 ,
at ,

BUREAU OF NAVIGATION,
NAVY DEPARTMENT,
1875.



MINNESOTA HISTORICAL
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Transcribed by Christopher Olson and Ann Merriman

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Ann Merriman, Christopher Olson, Maritime Heritage Minnesota

LIST OF OFFICERS

Attached to and on board of the U. S. S. Essex, 3^d Rate, commanded by
W. S. Schley, Commander , U. S. N., at the time of leaving the anchorage,
at the 1st day of April, 1878.

NAME	RANK
W. S. Schley	Commander
John Schouler	Lt. Commander
Asa Walker	Lieutenant
J. K. Cogswell	"
C. K. Curtis	"
Saml. C. Lemly	Ensign
C. B. T. Moore	"
P. A. Rearick	Chi. Engineer
H. T. Stancliff	P. A. Paymaster
A. M. Moore	P. A. Surgeon
Geo. B. Ransom	Asst. Engineer
W. H. Allen	Midshipman
Thos. D. Griffin	"
Wm. G. Hannum	"
Richard Henderson	"
F. A. Dran	Boatswain
W. W. Richardson	Carpenter
J. C. Petty	Paymaster Clerk

Examined and found to be correct

Asa Walker, Lieut
Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. Str Essex, 3^d Rate
commanded by W. S. Schley, Comdr, U. S. N., during a cruise on the South Atlantic
Station from April 1st to Oct. 6th, 1878.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
C. L. Dennett	Assistant Engineer	Condemned by medical survey and ordered home April 13 th 1878
J. K. Cogswell	Lieutenant	Detached by Order of the Navy Department with permission to proceed to the States. September 5 th , 1878.

Examined and found to be correct

Asa Walker, Lieut
Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines
on board
of the U. S. S. Essex, 3rd Rate, at first commissioning,
October 3rd, 1876 at Boston Mass.

Rates.	Number.	Rates.	Number.
Master at Arms	1	Orderly Sergeant (MC)	1
Yeoman	1	Co[r]porals	2
Apothecary	1	Privates	13
Pay Yeoman	1		
Machinists	4		
Coppersmith	1		
Boilermaker	1		
Schoolmaster	1		
Ships Writer	1		
Boatswains Mates	2		
Gunner's mate	1		
Carpenter's Mate	1		
Quarter Masters	3		
Coxswains	3		
Captains Forecastle	2		
“ Tops	4		
“ Afterguard	2		
Quarter Gunners	2		
Sailmakers Mate	1		
Amorer	1		
Captain Hold	1		
Ships Cook	1		
Cooper	1		
Ships Tailor	1		
2 nd Cl. Painter	1		
Bugler	1		
Cabin Steward	1		
Cabin Cook	1		
Wardroom Steward	1		
Wardroom Cook	1		
Steerage Steward	1		
Steerage Cook	1		
Warrant Officers Steward	1		
Warrant Officers Cook	1		
Carpenters and Caulkers	2		
Nurse	1		
Seamen	8		
Landsmen	15		
Apprentice Boys	80		
First Class Firemen	8		
Second “ “	7		
Landsmen Engl. Force	12		

Note: The rates of Coxswains three (3), Captains of
Tops, two (2), Captains of Afterguard, two (2), Total
seven (7) to be filled by Apprentices without the rates.

Examined and found to be correct

Asa Walker, Lieut
Navigator.

ARMAMENT

of the U. S. S.

No. of Guns.	Caliber.	Description.	Weight.
32	XI in	Pivot	15900 lbs.
364	IX in	Broadside	9165
365		"	9155
366		"	9195
369		"	9205
22	60 pdr	Pivot	5450
123	12 pdr light	Howitzer boat	431
38	Cal. 50	Gatling	

BOATS.

1 Launch
2 Cutters
1 Whale boat
1 Gig
1 Dingy

SMALL ARMS.

Remington Rifles 65
" Pistols 50
Colts Revolvers 14

Examined and found to be correct

Asa Walker, Lieut.

Navigator.

OBSERVATIONS for determining the LOCAL DEVIATION of the Standard
Compass on board the U. S. S.

DATE:

PLACE:

Magnetic Variation, degrees minutes, at same time and place.

LANDMARK OBSERVED.		BEARINGS TAKEN BY STANDARD COMPASS.		LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ OR-).
Name of Landmark.	True Magnetic Bearing by Chart or Astronomical Observation.	Ship's Head.	Landmark Observed.		
		NORTH.			
		N. by E.			
		N.N.E.			
		N.E. by N.			
		N.E.			
		N.E. by E.			
		E.N.E.			
		E. by N.			
		EAST.			
		E. by S.			
		E.S.E.			
		S.E. by E.			
		S.E.			
		S.E. by S.			
		S.S.E.			
		S. by E.			
		SOUTH			
		S. by W.			
		S.S.W.			
		S.W. by S.			
		S.W.			
		S.W. by W.			
		W.S.W.			
		W. by S.			
		WEST			
		W. by N.			
		W.N.W.			
		N.W. by W.			
		N.W.			
		N.W. by N.			
		N.N.W.			
		N. by W.			
		NORTH			
		N.N.E.			
		N.E.			
		E.N.E.			
		EAST			
		E.S.E.			
		S.E.			
		S.S.E.			
		SOUTH			
		S.S.W.			
		S.W.			
		W.S.W.			
		WEST			
		W.N.W.			
		N.W.			
		N.N.W.			

Examined and found to be correct

Navigator.

OBSERVATIONS for determining the LOCAL DEVIATION of the Standard
Compass on board the U. S. S

DATE: _____ PLACE: _____
Magnetic Variation, _____ degrees _____ minutes, at same time and place.

LANDMARK OBSERVED.		BEARINGS TAKEN BY STANDARD COMPASS.		LOCAL DEVIATION.	LOCAL DEVIATION CORRECTED FOR VARIATION (+ OR-).
Name of Landmark.	True Magnetic Bearing by Chart or Astronomical Observation.	Ship's Head.	Landmark Observed.		
		NORTH.			
		N. by E.			
		N.N.E.			
		N.E. by N.			
		N.E.			
		N.E. by E.			
		E.N.E.			
		E. by N.			
		EAST.			
		E. by S.			
		E.S.E.			
		S.E. by E.			
		S.E.			
		S.E. by S			
		S.S.E.			
		S. by E.			
		SOUTH			
		S. by W.			
		S.S.W.			
		S.W. by S.			
		S.W.			
		S.W. by W.			
		W.S.W.			
		W. by S.			
		WEST			
		W. by N.			
		W.N.W.			
		N.W. by W.			
		N.W.			
		N.W. by N.			
		N.N.W.			
		N. by W.			
		NORTH			
		N.N.E.			
		N.E.			
		E.N.E.			
		EAST			
		E.S.E.			
		S.E.			
		S.S.E.			
		SOUTH			
		S.S.W.			
		S.W.			
		W.S.W.			
		WEST			
		W.N.W.			
		N.W.			
		N.N.W.			

Mercurial Barometer No 766
Manufactured by Adie London
Placed in cabin on athwartship bulkhead

- Names of observers -

Private	J. H. Brown	U. S. M. C.
"	J. W. McDaniels	" " " "
"	Wm Limberg	" " " "
"	D. P. Ditty	" " " "

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			E by S	ESE	3-5	30.04	70	70	69		o	Cum Nimb	0	M		
2			E by N	"	3-5	30.03	70	70	69		"	"	0	"		
3			E N E	"	3-5	30.03	70	69	69		"	"	0	"		
4			NE by N	E	3-5	30.03	69	68	68		or	"	0	"		
5			NE by E	ENE	2	30.02	69	69	69		"	"	0	"		
6			ENE	"	3	30.04	70	69	68		"	"	0	S		
7			E	NE by N	2	30.04	69	69	68		"	"	0	"		
8			SE by E	"	2	30.04	69	69	68		"	"	0	"		
9			"	ESE	2	30.06	70	69	69		"	"	0	"		
10			E by S	ENE	3-4	30.06	70	70	70		"	"	0	"		
11			ENE	"	4	30.06	70	70	70		"	"	0	"		
Noon.			"	"	3	30.06	70	70	70		"	"	0	"		

Distance run by Log since preceding Noon

knots fathoms.

0 1 22

0 1 22

0 1 66

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“ ”

0 " "

300 gallons.

66

1900 66

tons	lbs.
1	2,240
2	4,480
3	6,720
4	8,960
5	11,200
6	13,440
7	15,680
8	17,920
9	20,160
10	22,400
11	24,640
12	26,880
13	29,120
14	31,360
15	33,600
16	35,840
17	38,080
18	40,320
19	42,560
20	44,800
21	47,040
22	49,280
23	51,520
24	53,760
25	56,000
26	58,240
27	60,480
28	62,720
29	64,960
30	67,200
31	69,440
32	71,680
33	73,920
34	76,160
35	78,400
36	80,640
37	82,880
38	85,120
39	87,360
40	89,600
41	91,840
42	94,080
43	96,320
44	98,560
45	100,800
46	103,040
47	105,280
48	107,520
49	109,760
50	112,000
51	114,240
52	116,480
53	118,720
54	120,960
55	123,200
56	125,440
57	127,680
58	129,920
59	132,160
60	134,400
61	136,640
62	138,880
63	141,120
64	143,360
65	145,600
66	147,840
67	150,080
68	152,320
69	154,560
70	156,800
71	159,040
72	161,280
73	163,520
74	165,760
75	168,000
76	170,240
77	172,480
78	174,720
79	176,960
80	179,200
81	181,440
82	183,680
83	185,920
84	188,160
85	190,400
86	192,640
87	194,880
88	197,120
89	199,360
90	201,600
91	203,840
92	206,080
93	208,320
94	210,560
95	212,800
96	215,040
97	217,280
98	219,520
99	221,760
100	224,000

44 44

P.M.

1	E by N	E by N	3	30.01	70	70	70	org	Cum Nimb	0	M
---	--------	--------	---	-------	----	----	----	-----	----------	---	---

2	"	"	4-5	29.98	70	70	70	"	"	0	"
---	---	---	-----	-------	----	----	----	---	---	---	---

3	"	"	4-6	29.96	70	71	71	og	"	0	"
---	---	---	-----	-------	----	----	----	----	---	---	---

4	E	E	6-7	29.95	70	71	70	"	"	0	P
---	---	---	-----	-------	----	----	----	---	---	---	---

5	"	"	5-8	29.95	70	71	70	"	"	0	"
---	---	---	-----	-------	----	----	----	---	---	---	---

6	"	"	5-7	29.35	70	70	70	"	"	0	"
---	---	---	-----	-------	----	----	----	---	---	---	---

7	ESE	"	5-7	29.97	70	70	69	ogfe	"	0	"
---	-----	---	-----	-------	----	----	----	------	---	---	---

8	E by S	"	5-7	29.97	70	69	69	og	"	0	"
---	--------	---	-----	-------	----	----	----	----	---	---	---

9	"	E x S	5-7	29.92	70	69	69	ogn	"	0	"
---	---	-------	-----	-------	----	----	----	-----	---	---	---

10	"	"	6-8	29.94	70	69	68	"	"	0	"
----	---	---	-----	-------	----	----	----	---	---	---	---

11	ESE	"	7-8	29.92	70	69	68	"	"	0	"
----	-----	---	-----	-------	----	----	----	---	---	---	---

Mid.	E by S	"	7-8	29.92	70	68	68	"	"	0	"
------	--------	---	-----	-------	----	----	----	---	---	---	---

0 4 66

* O E 66

0 4 88

Variation of the Compass by _____ at _____ 0 _____ "

under the command of Commander Winfield Scott Schley, U. S. Navy.
Monday April 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Rainy last hours. Moderate breeze with gusts from E.S.E. Cum. Nimb. clouds. Cross in hawse.

(Signed) Samuel G. Lemly
Ensign.

From 4 to 8 A.M. Overcast and rainy. Light breeze from E.N.E. shifting to N. Barometer steady. Cum. Nimb. clouds. Hawes clear.

(Signed) James K. Cogswell
Lieut.

From 8 to Merid. Overcast, rainy. Light to moderate breeze from E. N. E. and E. N. E. At 9:30 mustered at quarters. Philip Kincade (S. Cook) and Ger. F. Caswell absent without leave. P. A. Paymaster H. T. Stancliff left the ship on leave of absence of 20 days from April 2nd. Clear hawse.

(Signed) Charles B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast. Moderate to very fresh breeze, increasing latter part of watch and blowing in squalls. Barometer falling. Sea rough. Cum. Nimb. clouds. Light scud passing rapidly to W. Procured on board the following stores; in Equipment Dept, 50 lbs 6 thread hemp, 109 iron hanks, 60 seaming needles, 12 6 thread needles, 2 sail punches, and 30 hickory brooms; in Carpenter's Dept, 773 feet lumber, 5 boat hooks and staffs, 15 galls. shellac, 10 iron chuck rings, 10 iron pipes, 160 lbs putty, 165 lbs red lead, 1 smoothing plane, 1 compass saw, 1 set auger bitts; in Navigations Dept, 18 yards bunting, 16 yards white bunting, 6 yards blue bunting, 8 hand lanterns, 8 lbs lamp wicks. Hawes clear.

(Signed) James K. Cogswell
Lieut.

From 4 to 8 P.M. Overcast. Cool. Passing showers latter part. Stiff breeze to moderate gale from E, blowing in squalls. At 5.50 flagship made general signal 5040. At 6 must to quarters and served out clean hammocks. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From 8 to Midnight. Overcast. Ugly threatening weather. Fresh breeze to moderate gale from E. by S. Sea rough. Long heavy swell from S.E. Barometer steady last two hours. Hawes clear.

(Signed) James K. Cogswell
Lieut.

Moon's phase 1st qr. Dir. N. 5°.

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1		E by S	E by S	6-8		29.95	70	68	68		og	Cum Nimb	0	D			
2		E	E	6-8		29.94	70	69	69		"	"	0	"			
3		"	"	5-7		29.94	70	68	68		"	"	0	"			
4		"	"	5-7		29.94	70	69	69		"	"	0	"			
5		ENE	ENE	3-5		29.95	70	70	70		ogd	"	0	M			
6		"		3-4		29.96	70	70	70		"	"	0	"			
7		ESE	"	3-4		29.96	70	71	70		og	"	0	"			
8		E 1/2 S	E	3-4		29.97	70	71	70		"	"	0	"			
9		E by S	E by S	4-5		29.96	70	71	70		"	"	0	"			
10		"	"	3-4		29.96	70	71	70		"	"	0	"			
11		"	"	5-6		29.98	70	72	71		"	"	0	"			
Noon.		"	"	4-5		29.96	71	72	71		"	"	0	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water		during the preceding 24 hours
Water remaining on hand fit for me at Noon		1600 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	E by S	E by S	4-5	29.96	71	72	71	og	Cum Nimb	0	M
2	"	"	4-5	29.96	71	72	70	ogd	"	0	"
3	ESE	"	4-5	29.96	71	71	70	"	"	0	"
4	E by S	"	3-5	29.96	70	71	70	og	"	0	"
5	SE by E	SE by E	5-6	29.98	70	70	70	"	"	0	P
6	"	"	5-7	29.99	68	70	69	bcg	"	2	"
7	"	"	5-7	29.97	68	69	69	og	"	0	"
8	SE	"	7-8	29.97	68	69	68	ogrn	"	0	"
9	SE by E	"	5-7	29.99	68	69	68	ogd	"	0	M
10	"	"	5-6	30.01	69	68	68	bcg	"	4	"
11	"	"	5-6	30.01	69	68	68	"	"	6	"
Mid.	ESE	ESE	4-6	30.02	69	68	68	"	"	5	"

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander Winfield Scott Schley, U. S. Navy.
Tuesday April 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Cool. Squally. Stiff breeze to moderate gale from E. by S. and E. blowing in gusts. Sea rough. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From 4 to 8 A.M. Cloudy. Squally. Drizzling rain first part o. Moderate sea f watch. Moderate breeze from E. N. E. by E. with gusts. Barometer rising slowly. Moderate sea setting to N. W. Clear hawse. Scrubbed hammocks.

(Signed) Clinton K. Curtis
Lieut.

From 8 to Merid. Overcast and squally. Moderate to stiff breeze from E. by S. Sea moderate. At 9 sent mail to Flagship. At 9.30 inspected at quarters. At 9.30 Flagship made signal 3247, answered. At 10.30 a general court martial, consisting of the following officers, Lynch, Hyde, Day, Cogswell, and Curtis, Market McCracken and Capt. Mead U. S. M. C. Commander Schley, President. Fired gun and hoisted jack. At 10.30 a large English Steamer (P. S. N. C.) got underway and stood out to sea. At 12, general court martial adjourned to meet at 1. Asst Eng. C. L. Dunnett went ashore on leave upon recommendation of Surgeon. Hawes clean.

(Signed) T. D. Griffin
Midshipman.

From Merid. to 4 P.M. Cloudy. Drizzling rain during part of watch. Moderate breeze from E. by S. with strong puffs. Barometer steady. Moderate sea setting to N. W. Court Martial re-convened at 1 P. M. At 3.30 H. B. M. Gun boat "Fram" left the harbor under sail. Clear hawse.

(Signed) W. G. Hannum
Midshipman.

From 4 to 8 P.M. Overcast, with exception of third hour of watch. Squally. Wind fresh, increasing latter part of watch from very fresh breeze to moderate gales. Cum. Nimb. clouds. Barometer steady last two hours. Sea rough. At 4.30 general court martial adjourned. Rainy last hours of watch. Hawes clear.

(Signed) James K. Cogswell
Lieut.

From 8 to Midnight. Cloudy. Strong breeze with fresh gusts from S. E. by E. and E. S. E. decreasing last hours. drizzling rain first hours, clearing latter part of watch. Barometer rising slowly. Sea moderate and setting to W. N. W. Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

Moon's phase 1st qr. Dir N. 10°.

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1		SE by E	SE by E	5-7	30.04	69	68	68		bcg	Cum Nimb	2	D				
2		ESE	SE by E	6-7	30.06	68	68	68		og	"	0	"				
3		SE by E	"	4-7	30.06	69	68	68		bcg	"	2	M				
4		ESE	"	4-6	30.05	69	68	68		bc	"	4	"				
5		"	"	3-6	30.03	69	68	68		"	"	4	"				
6		"	"	3-6	30.03	69	69	68		"	"	5	S				
7		"	"	3-6	30.05	68	69	68		"	"	3	"				
8		"	"	3-4	30.09	69	69	68		"	"	5	M				
9		"	ESE	3-4	30.09	68	70	69		"	"	5	"				
10		"	"	3-4	30.11	69	71	69		"	"	6	"				
11		SE by E	SE by E	3-4	30.10	70	71	69		"	"	6	"				
Noon.		"	E	3-4	30.10	70	71	69		"	"	6	"				

knots fathoms.

0 1 22

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

0 1 66

0 1 66

0 66 66

0 " "

300 gallons.

1400

2800 "

tons lbs.

“ ”

1	SE by E	ESE	4-6	30.10	71	71	70	bc"	Cum Nimb	6	M
2	ESE	E by S	4-5	30.09	70	70	70	"	"	5	"
3	"	"	3-5	30.08	70	70	70	"	"	5	"
4	"	"	3-5	30.08	70	70	70	"	"	4	"
5	"	ESE	3-5	30.09	70	69	68	bcb	"	2	"
6	E by S	E	3-5	30.09	69	69	68	"	"	1	"
7	E	"	3-5	30.10	69	69	68	"	"	1	"
8	"	"	3-5	30.10	69	69	68	"	"	3	"
9	SE by E	ESE	3-5	30.12	69	69	68	"	"	5	S
10	SE	"	3-5	30.12	69	69	68	"	"	5	"
11	E	E	3	30.13	69	68	68	"	"	8	"
Mid.	SE by E	ENE	3	30.14	69	68	67	"	"	9	"

0 6 66

* 0

observed at Sunset 0

at o

under the command of Commander Winfield Scott Schley, U. S. Navy.
Wednesday April 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool. Moderate breeze from S. E. by E. very fresh in squalls. Cum. Nimb. clouds. Barometer falling slowly. Sea moderate. Hawse clear.

(Signed) James K. Cogswell
Lieut.

From 4 to 8 A.M. Partially clear. Cool. Moderate breeze with fresh puffs from S. E. by E. Cum. Nimb. clouds. Received in Engineer Dept. one forge and bellows complete; in Navigation Dept. 1400 gals. fresh water. At 7.30 Flagship made general signal 3350, answered. At 7.45 she made preparatory 5455, answered. At 7.55 she 5459, answered. 24 caulkers at work on boards. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

From 8 to Merid. Clear and pleasant. Moderate breeze from E. S. E, S. E. by E. and E. Barometer rising slowly. Moderate sea setting to E. At 8 loosed sail to dry. At 9.15 made interrogatory 3357, Flagship answered and made 904, answered. At 11.25 Flagship made preparatory 4826, answered. At 11.30 made 4826, and [answered], and furled sail. Caulkers at work on board. Received from Flagship one 12 oared cutter fully equipped. Clear hawse. By order of Commander, Herman Frankenstein (2 C. F.) is declared a deserter, having been absent from the ship ten days without leave.

(Signed) W. G. Hannum
Midn.

From Merid. to 4 P.M. Partially clear. Pleasant. Moderate E. By S. breeze, with fresh gusts. Cum. Nimb. clouds. At 12.30 made general signal 3247, Flagship answered. At 1, general court martial convened pursuant to adjournment. At 1.20 Flagship made general signal 5406 and 2 over numeral answered. Enlisted Felix Saloo (Lds) for the cruise, special service, from 1st inst. and rated him W. R. Std. from 2nd inst. inclusive. E. P. Keating (P. M.) prisoner, was received on board for trial before G. C. M. 24 caulkers at work on board. English gun boat "Elk" got underway and stood down the river. Clear hawse.

(Signed) Samuel G. Lemly
Ensign.

From 4 to 8 P.M. Cloudy. Pleasant. Moderate breeze with strong gusts from E. S. E. and E. Barometer rising. Moderate sea. At 5.40 Flagship made preparatory 6140, answered. At 5.45 she made 6140, answered; sent down fop gallant masts and yards. Finished calking at 5. Clear hawse.

(Signed) W. G. Hannum
Midn.

From 8 to Midnight. Clear. Cool. Light breeze with puffs first part of watch, light breeze later part. Cum. Nimb. clouds. Cross in hawse.

(Signed) Samuel C. Lemly
Ensign.

Moon's phase 1st qr. Dir. N. 15°.

(Signed) Asa Walker, Lieut.
Navigator.

Examined and found to be correct

under the command of Commander Winfield Scott Schley, U. S. Navy.
Thursday April 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Light to gentle breeze from E. N. E. Barometer falling slowly. Sea smooth.

(Signed) Clinton K. Curtis
Lieut.

From 4 to 8 A.M. Cloudy. Cool. Pleasant. Light airs from E. and N. E. At 8 sent up to gallant masts, crossed top gallant and royal yards and loosed sail. At 7.30 Flagship made signal 5550. At 7.45 Flagship made preparatory general signal 5461. At 7.50 she made general signal 5461.

(Signed) Charles B. T. Moore
Ensign.

From 8 to Merid. Partially clear. Cool. Pleasant. Moderate E. N. E. breeze. Cir. Cum. Nimb. clouds. At 9.15 inspected at quarters. At 10.30 G. C. M. convened according to adjournment. At 9.30 made general signal 3207 "Hartford" answered. At 11.20 Flagship made preparatory signal 4826. At 11.45 made 4826. At 11.45 furled sail. English steamer got underway and stood down the river. English barque "City of Lima" left harbor. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

From Merid. to 4 P.M. Cloudy. Pleasant. Moderate to stiff breeze from E. N. E. shifting to E. S. E. and then to E. At 1 P. M. court re-assembled and at 3.25 adjourned to meet at 11 A. M. tomorrow. Clear hawse. Italian gunboat left harbor.

(Signed) Charles B. T. Moore
Ensign.

From 4 to 8 P.M. partially clear. Cool. Pleasant. Moderate breeze from E. by S. At 5.35 Flagship made preparatory signal 6068. At 5.45 she made general signal 6068. At sunset send down top gallant and royal yards. A small Spanish gunboat came in and anchored. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

From 8 to Midnight. Cloudy. Cool. Pleasant. Gentle to moderate breeze from E. by S. and E. Barometer falling. Clear hawse.

(Signed) Charles B. T. Moore
Ensign

Moon's phase 1st qr. N. 20°.

(Signed) Asa Walker, Lieut.
Navigator.

Examined and found to be correct

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Skv. in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. ait'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NE	ENE	1-2		29.92	70	69	68		bc	Cir Cum Nimb	5	M
2			"	"	2		29.92	70	69	68		"	"	6	"
3			NE by N	NE by E	2-3		29.90	70	69	68		"	"	5	"
4			"	"	2		29.90	70	69	68		"	"	2	"
5			NE	E	2		29.91	70	69	68		or	Cum Nimb	0	S
6			"	"	2		29.92	70	68	68		"	"	0	"
7			ENE	"	1		29.92	70	68	68		"	"	0	"
8			E by S	"	1		29.92	69	68	68		"	"	0	"
9			SE	ENE	2		29.92	69	68	68		o	"	0	"
10			"	E	2		29.92	69	68	68		"	"	0	"
11			SE by S	ESE	3		29.93	70	68	68		or	"	0	"
Noon.			SE	"	3		29.93	69	68	68		"	"	0	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			2300
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	SE	ESE	3	29.99	69	67	68	o	Cum Nimb	0	S	
2	"	E	3	29.99	69	67	68	"	"	0	"	
3	ESE	ESE	3	29.94	69	67	67	"	"	0	"	
4	SE by E	E	3	29.94	69	67	67	"	"	0	"	
5	ESE	ESE	3	29.92	67	67	67	bc	"	3	"	
6	E by S	"	4	29.93	67	67	67	"	"	2	"	
7	SE by E	"	5	29.94	68	67	67	op	"	0	"	
8	SE by S	"	5	29.95	68	67	67	o	"	0	"	
9	"	SE by S	5	29.95	69	67	67	on	"	0	M	
10	SE by E	SE by E	5	29.95	69	67	67	"	"	0	"	
11	SE by S	SE by S	4	29.95	69	67	67	bc	"	7	"	
Mid.	"	"	4	29.95	69	67	67	"	"	7	"	

Longitude by Chronometer from Afternoon Observations		0	1	"	
Longitude by Chronometer Observations	*	0	1	"	
Variation of the Compass by Amplitude	observed at Sunset	0	1	"	
Variation of the Compass by	at	0	1	"	

under the command of Commander Winfield Scott Schley, U. S. Navy.
Friday April 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. partially clear. Cool. Pleasant. Light breeze from N. E. Cir. Cum. Nimb. clouds. Cross in hawse.

(Signed) Samuel C. Lemly
Ensign.

From 4 to 8 A.M. Overcast. Light sprinkling of rain during watch. Barometer steady. Cum. Nimb. clouds. Light airs from E. At 6.30 coal lighter came alongside, commences coaling ship. At 7.30 "Hartford" made general signal 3350, answered. Made interrogatory 3357. "Hartford" answered 904. Hawes clear.

(Signed) James K. Cogswell
Lieut.

From 8 to Merid. Overcast. Raining last two hours. Light to gentle breeze from E. N. E. shifting to E. S. E. Engaged in coaling ship. At 10.30 made general signal 3247. Flagship answered. At 11.10 court met. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From Merid. to 4 P.M. Overcast and pleasant. Gentle breeze from E. to E. S. E. Cum. Nimb. clouds. Barometer steady. Finished coaling ship. Received on board 56 tons of coal in Engineers Dept. At 3.35 general court martial adjourned till 10 A. M. tomorrow. Hawse clear.

(Signed) T. D. Griffin
Midn.

From 4 to 8 A.M. [P.M.] Cloudy first part. Overcast with passing showers last two hours. At 5.40 made interrogatory signal 2985, Flagship answered 904. Clear Hawse.

(Signed) Charles B. T. Moore
Ensign.

From 8 to Midnight. Overcast first part clearing up latter part of watch. Moderate to stiff breeze from S. E. by S. Cum. Nimb. clouds. Barometer steady. Hawse clear.

(Signed) James K. Cogswell
Lieut.

Moon's phase 1st qr. Dir. N. 23°.

(Signed) Asa Walker, Lieut.
Navigator.

Examined and found to be correct

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns
Montevideo, Uruquay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1			SE by S	SE	5		29.98	69	69	68		bc	Cum Nimb	7	M
2			"	"	2		29.96	69	68	67		"	"	3	"
3			"	"	3		29.96	69	67	67		"	"	5	"
4			ESE	ENE	2		29.95	69	68	68		"	"	3	"
5			"	SE	2		29.98	67	67	67		"	"	4	"
6			SE	"	2		29.99	67	67	67		"	"	2	"
7			E	E	2		30.02	67	67	66		bcd	"	3	"
8			"	NE	2		30.04	66	67	66		"	"	2	"
9			SE by E	ESE	2		30.07	67	67	67		o	"	0	S
10			SSE	Calm	0		30.07	67	67	67		or	"	0	"
11			"	"	0		30.07	67	68	68		o	"	0	"
Noon.			SE by S	"	0		30.07	67	68	68		"	"	0	"

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☺	°	'	"
Longitude by Chronometer from Forenoon Observations ☺	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☺ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☺ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			2000 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	SE	SE	2	30.05	67	67	66	o	Cum Nimb	0	S	
2	SE by S	"	2	30.02	68	67	67	"	"	0	"	
3	"	"	2	30.02	68	67	67	bc	"	2	"	
4	SE	"	2	30.02	68	68	67	"	"	2	"	
5	SE by E	SE by E	1	30.01	68	67	67	"	Cir Cum Nimb	1	"	
6	ESE	"	1	29.98	68	67	67	"	"	7	"	
7	"	ESE	1	29.98	68	67	67	"	"	8	"	
8	E	E	1	29.98	68	67	67	"	"	8	"	
9	E by S	E by S	1-2	30.00	68	67	67	"	"	8	"	
10	SE by E	"	1-2	30.00	68	67	67	"	"	8	"	
11	Se by S	"	1-2	29.98	67	66	66	"	"	8	"	
Mid.	"	"	1-2	29.97	66	66	65	"	:	8		

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot

Variation of the Compass by at \odot

under the command of Commander Winfield Scott Schley, U. S. Navy.
Saturday April 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Pleasant. Stiff to light breeze from S. E. .and E. N.
E. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From 4 to 8 A.M. Cloudy. Drizzling rain last two hours. Light breeze from S. E. shifting to E. and
N. E. Barometer rising slowly. Moderate sea. At 7.30 Flagship made signal 3351, answered;
immediately after made interrogatory 3357. Flagship answered and made 904. At 7.45 Flagship
made preparatory 6144, answered. At 7.55 she made 6144, answered and crossed top gallant
yards.

(Signed) Clinton K. Curtis
Lieut.

From 8 to Merid. Overcast. Light breeze first hours from E. S. E. calm rest of watch. raining first
part. At 8.15 Flagship made general signal 1684, answered. At 9.30 made general signal 3247.
At 10.30 court met. At 11, court adjourned. Hawse clear.

(Signed) T. D. Griffin
Midn.

From Merid. to 4 P.M. Cloudy. Pleasant. Light breeze from S. E. Barometer falling. Sea smooth.
At 12.10 Flagship made signal 3318, answered. General Court Martial was dissolved by orders
of the Commodores.

(Signed) Clinton K. Curtis
Lieut.

From 4 to 8 P.M. Cloudy and pleasant. Light airs from S. E. by E. to E. Barometer steady. At
4.30 made interrogatory 2984 Flagship answered 904. A Brazilian gunboat came in and
anchored. Hawse clear.

(Signed) James K. Cogswell
Lieut.

From 8 to Midnight. Clear and cool. Light breeze from E by S. Barometer falling. Sea smooth.
Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

Moon's phase 1st qr. Dir. N. 26°.

(Signed) Asa Walker, Lieut.
Navigator.

Examined and found to be correct

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			SE by S	North	1		29.95	67	65	65		bc	Cum Str	9	S		
2			S	"	1		29.95	67	65	65		"	"	9	"		
3			W by S	"	1		29.95	67	64	64		"	"	9	"		
4			WNW	"	1		29.92	66	64	64		"	Cum Nimb	2	"		
5			N by S	NW	0-1		29.91	65	65	65		o	"	0	"		
6			NW by W	W	1		29.90	65	66	66		bc	"	4	"		
7			NNW	SW	1		29.89	65	66	67		"	"	5	"		
8			"	"	1-2		29.89	66	67	67		"	"	6	"		
9			SSW	SSW	2		29.89	66	67	67		"	"	2	"		
10			S	S	2		29.88	67	68	67		"	"	1	"		
11			SSE	"	2		29.88	67	68	68		"	"	1	"		
Noon.			"	"	2		29.85	67	68	68		"	"	1	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 500 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			SSE	S by E	2	29.84	67	68	68		bc	Cum Nimb	1	M	
2			S	S	3	29.82	67	68	66		"	"	1	"	
3			"	"	3	29.80	67	65	65		o	"	0	"	
4			"	"	3	29.80	67	65	65		"	"	0	"	
5			"	"	2-3	29.79	66	65	65		"	"	0	"	
6			"	"	3	29.77	66	65	65		"	"	0	"	
7			"	"	3	29.76	66	65	65		"	"	0	"	
8			SE by S	SE by S	2-3	29.75	66	65	65		"	"	0	"	
9			SSE	SSE	3	29.77	67	65	64		bc	"	4	"	
10			"	"	2	29.77	67	65	63		hcp	"	3	"	
11			"	"	2	29.77	67	64	62		or	"	3	"	
Mid.			"	"	2	29.77	67	64	62		o	"	3	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude * observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander Winfield Scott Schley, U. S. Navy.
Sunday April 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy last hours, clear rest of watch. Light airs from North. Cum. Nimb. Str. clouds. Barometer falling slowly latter part of watch. Hawse clear.

(Signed) James K. Cogswell
Lieut.

From 4 to 8 A.M. Partially clear. Cool. Pleasant. Light airs from N. W. shifting to S. W. A large German steamer passed up the river. A small Brazilian gunboat got underway and shifted her berth. Followed motions of Flagship in exchanging color with her. At 7.30 Flagship made general signal 3350, answered. A small Italian gun boat got underway and stood down the river. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

From 8 to Merid. Cloudy. Pleasant. Light breeze from S. S. W. and S. Barometer falling. Sea smooth. At 9.30 called Divisions to quarters for inspection. At 9.45 Commander inspected ship and crew at quarters; immediately after called all hands to muster. Commander read prayers. Read "Articles for Government of the Navy," and mustered crew. Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

From Merid. to 4 P.M. Cloudy. Cool. Gentle S[outher]ly breeze. Cum. Nimb. clouds. Visiting party from "Essex" to "Hartford" and from "Hartford" to "Essex". Swedish bark got underway and stood out of the harbor under tow. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

From 4 to 8 P.M. Cloudy Pleasant. Gentle breeze from S. shifting to S. E. by S. Barometer falling. Moderate sea setting to N. N. E. At 5.30 Flagship made signal 2985, answered. Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

From 8 to Midnight. Partially clear. Cool. Raining last two hours of watch. Light S. S. E. breeze. Cum. Nimb. clouds. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

Moon's phase 1st qr. Dir. N. 27°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.		Force.	Height in inches.	Ther. alt'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		S by E	S by E	2-3	29.80	64	64	64		or	Cum Nimb	0	S			
2		"	"	2-3	29.79	65	64	64		op	"	0	"			
3		SW by S	S	2-3	29.79	65	64	64		o	"	0	"			
4		"	SSW	2-3	29.79	65	64	64		"	"	0	"			
5		SW by S	"	3	29.80	66	65	65		"	"	0	"			
6		"	"	4	29.80	66	65	65		op	"	0	M			
7		"	SW by S	5	29.79	66	65	65		o	"	0	"			
8		"	"	5-6	29.79	66	64	64		bc	"	1	"			
9		"	"	5-6	29.79	65	65	64		bcp	"	1	"			
10		SSW	"	5-6	29.86	64	64	64		o	"	0	"			
11		"	"	5-6	29.86	64	64	64		op	"	0	B			
Noon.		"	"	5-6	29.86	64	64	64		bc	"	1	"			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			500 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			1000 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	South	S by W	6-7	29.86	64	64	64	bc	Cum Nimb	1	P	
2	S	"	6-7	29.87	63	63	62	"	"	5	"	
3	"	S	6-7	29.89	63	63	662	bcp	"	3	"	
4	"	"	6-7	29.91	63	62	61	bc	"	4	"	
5	"	"	6-8	29.94	65	61	60	"	"	3	"	
6	"	"	6-7	29.95	65	61	60	"	"	5	"	
7	"	"	6-7	29.95	64	61	59	"	"	6	"	
8	"	"	6-7	29.95	64	61	59	"	"	7	"	
9	S by W	S by W	6-7	30.02	63	60	59	"	"	5	"	
10	"	"	6-8	30.03	63	60	59	"	"	7	"	
11	S	S	6-8	30.04	62	60	59	"	"	6	"	
Mid.	"	"	6-8	30.04	62	60	59	"	"	7	"	

Longitude by Chronometer from Afternoon Observations	Longitude by Chronometer Observations	Variation of the Compass by Amplitude	Variation of the Compass by
0	*	observed at Sunset	at

under the command of Commander Winfield Scott Schley, U. S. Navy.
Monday April 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Raining first hours, cloudy and threatening throughout remainder of watch. Gentle breeze from S. by E. shifting to S. S. W. Barometer falling slowly. Sea smooth.

(Signed) Clinton K. Curtis
Lieut.

From 4 to 8 A.M. Overcast. Passing showers second hour. Gentle breeze from S. S. W. and S W by S. increasing to fresh breeze latter part of the watch. At 7.30 flagship made general signal 3350, answered. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From 8 to Merid. Cloudy, occasional passing showers. Stiff breeze from S. W. by S. At 9.30 inspected at quarters. Exercised 1st and 2nd Divs at great guns. Power Div. at stations and Navigator's Div. at fishing spars. By order of Comdr. the following punishments were assigned. Thos. G. Roberts (O. S. 2 C) solitary confinement on bread and water for disobedience of orders and insolence at the mast. W. H. Danforth (O. S.) 12 hours extra duty, showing reluctances in obeying orders. F. L. Handly (O. S. 2 C.) 12 hour extra duty, not scrubbing hammock when ordered. W. C. Montgomery (O. S. 2 C.) disobedience of orders, not being in uniform, 2 hours extra duty. John L. King (B. M.) reduced to the rate of seaman from Jan 8th 1878, sentence of summary court martial being approved by the Hon. the Secretary of the Navy. Clear hawse. Issued clothing to crew.

(Signed) Samuel C. Lemly
Ensign.

From Merid. to 4 P.M. Cloudy. Cool. Light passing showers third hour. Fresh to very fresh breeze from S. by W. and S. Sea rough. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From 4 to 8 P.M. Partially clear. Cool. Moderate pampero blowing from S. Cum. Nimb. clouds. A large bark rigged English steamer came in and anchored. At 5.28 "Hartford" made preparatory signal 6140 answered. At 5.40 she made general signal 6140, at sunset sent down T. G yards and masts. Clear hawse. Received in Pay Dept. 160 lbs fresh beef and 160 lbs vegetables.

(Signed) Samuel C. Lemly
Ensign.

From 8 to Midnight. Clear. Cool. Fresh breeze to moderate gale from S. by W. and S. blowing in gusts. Sea rough. Barometer rising. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

Moon's phase 1st qr. Dir. N. 27°.

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW	SSW		30.04	63	59	58		bc	Cum Nimb	5	R	
2			SSW	"		30.04	63	59	58		"	"	4	"	
3			"	"		30.04	63	59	58		"	"	3	"	
4			"	"		30.04	61	59	58		"	"	3	"	
5			"	"		30.08	62	59	57		bcg	"	7	"	
6			"	"		30.10	62	58	57		"	"	2	M	
7			"	"		30.12	61	58	57		"	"	1	"	
8			"	"		30.14	61	59	58		"	"	1	"	
9			"	S		30.15	62	60	59		bc	"	1	"	
10			"	SSW		30.15	62	60	59		"	"	2	"	
11			"	SW by W		30.15	62	60	60		"	"	1	"	
Noon.			S by E	"		30.15	62	60	61		"	"	3	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude	°	"	"
Variation of the Compass by Azimuth	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water Received			2400 "
Water remaining on hand fit for me at Noon			2900 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"	"	

P.M.												
1	SSE	WSW	4	30.15	62	61	61	bc	Cum Nimb	7	M	
2	S	"	3-5	30.15	62	62	62	bcg	"	1	"	
3	SSW	"	2	30.15	62	61	60	bc	"	1	"	
4	SE	W	2	30.15	62	60	60	o	"	1	"	
5	ESE	"	2	30.15	63	61	61	bc	"	1		
6	S	S	2	30.15	63	61	61	"	"	1	S	
7	SW by S	"	1	30.16	64	60	60	o	"	0	"	
8	NW	W	1	30.15	64	60	60	"	"	0	"	
9	NW by N	SW	1	30.13	64	60	60	"	"	0	"	
10	"	NW by N	2	30.13	64	60	57	bc	"	1	"	
11	"	"	3	30.12	64	57	55	"	"	2	"	
Mid.	"	"	3	30.12	63	55	54	"	"	8		

Longitude by Chronometer from Afternoon Observations \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Variation of the Compass by at \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

under the command of Commander Winfield Scott Schley, U. S. Navy.
Tuesday April 9, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially clear. Cool. Moderate gale from S. S. W. Cum. Nimb. clouds. Rough sea. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

From 4 to 8 A.M. Cloudy and cool. Squally. Moderate to fresh breeze from S. S. W. Sea moderate. Barometer rising. At 7.30 Flagship made general signal 3350, answered. At 7.45 Flagship made general signal 6144, answered. At 8, sent up T. G. masts and yards. An English steamer, barque rigged, came down the river and anchored. Hawse clear.

(Signed) James K. Cogswell
Lieut.

From 8 to Merid. Cloudy. Cool. Gentle to stiff breeze from S. Shifting to S. W. by W. At 9.30 inspected at quarters. Exercised at company drill. Painting ship outside, starboard side. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From Merid. to 4 P.M. Cloudy. Cool. Wind decreasing in force for moderate to light breeze and shifting from W. S. W. to S. W. Sea moderate. Barometer steady. Painting ship outside. Hawse clear.

(Signed) James K. Cogswell
Lieut.

From 4 to 8 P.M. Cloudy first two hours. Overcast last two hours. Light airs to light breeze, varying force S. to W. At 5.35 Flagship made prep, general signal 6143. At sunset sent down T. G. Yards. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From 8 to Midnight. Overcast first part, clear latter part of watch. Cold light airs from S. W. First hours, gentle breeze from And. W. by N. Rest of watch. Barometer steady. Hawse clear.

(Signed) James K. Cogswell
Lieut.

Moon's phase 1st qt Dir. N. 26°.

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.		Prop. of Clear Sky.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.		Force.	Height in inches.	Ther. alt'd.	Air Dry Bulb.	Air Wet Bulb.		Water at surface.					
A.M.																	
1		NE by E	NNW	3	30.14	64	55	55		bc	Cum Nimb	4	S				
2		N by W	NW	3	30.12	64	55	55	"	"		5	"				
3		NW	"	4	30.09	63	54	54	o	"		0	"				
4		"	"	4	30.06	61	54	54	"	"		0	"				
5		NW by W	NW by N	3	30.09	60	54	54	"	"		0	"				
6		"	"	2-3	30.13	60	55	54	"	"		0	"				
7		"	"	2-3	30.13	60	55	54	bc	"		2	"				
8		"	"	2-3	30.13	60	55	54	"	"		3	"				
9		NNW	N by W	2	30.17	60	57	57	"		Cir Cum	1	"				
10		N by W	N	2	30.17	60	59	59	"	"		1	"				
11		N	"	1	30.17	60	60	59	o		Cir Cum Nimb	0	"				
Noon.		"	"	1	30.16	60	60	59	"			0	"				

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☺	°	'	"
Longitude by Chronometer from Forenoon Observations ☺	°	'	"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ☺ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☺ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2600 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"	"	"

P.M.											
1	E by S	NE	1	30.16	60	62	61	bc	Cir Cum Nimb	3	S
2	SE	Calm	0	30.14	62	63	62	"	"	3	"
3	SE by E	SE by S	1-2	30.12	63	63	63	"	"	4	"
4	SSE	SSE	1-2	30.11	63	63	63	"	"	4	"
5	SSW	SSW	1	30.11	63	61	61	"	"	1	"
6	SW	Calm	0	30.12	63	61	61	"	"	3	"
7	"	"	0	30.11	63	61	61	"	"	5	"
8	WSW	"	0	30.11	63	61	61	"	"	1	"
9	NE by N	ENE	1-2	30.12	64	61	61	"	"	2	"
10	ENE	"	1-2	30.12	64	61	61	"	"	2	"
11	"	"	1-2	30.11	63	61	60	"	"	1	"
Mid.	"	"	1-2	30.10	63	60	60	"	"	1	"

Longitude by Chronometer from Afternoon Observations	Longitude by Chronometer Observations	Variation of the Compass by Amplitude	Variation of the Compass by
0	*	observed at Sunset	at

under the command of Commander Winfield Scott Schley, U. S. Navy.
Wednesday April 10, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part. Overcast latter part. Cool. Gentle to moderate breeze from N. N. W. and N. W. Barometer falling. Clear hawse.

(Signed) Charles B. T. Moore
Ensign.

From 4 to 8 A.M. Cloudy. Cool. Gentle breeze from N. W. by N. Barometer rising. Sea smooth. At 7.30 Flagship made signal 3350, answered. At 7.45 made preparatory 5461, answered. At 7.55 Flagship made 5461, answered, crossed light yards and loosed sail. At 6.30 French gunboat got under way and left the harbor. Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

From 8 to Merid. Cloudy and cool. Light airs from N by W. Shifting to N. Cir. Cum. Numb. clouds. Barometer steady first part, falling slowly last hours. At 9.30 inspect it at quarters. Exercised Marine guard at small arms and Co. at single sticks. By order of Commander, Thomas G. Roberts (O. S. 2. C) was released from confinement. At 11.30 Flagship signaled 4826, answered. Furled sail. Cross in hawse, starboard chains on top.

(Signed) James K. Cogswell
Lieut.

From Merid. to 4 P.M. Partially cloudy. Pleasant. Calm and light breeze from N. E. by S. E. by S. Barometer falling. Sea smooth. At 1, called all hands to muster and read proceedings of general court-martial. In the case of Irvin Winbush (W. O. St.) charged with scandalous conduct tending to the destruction of good morale. Found guilty and sentenced to be confined for 5 months in double irons, to forfeit all pay becoming due during period of confinement, except two dollars per month, and to be dishonorably discharged at the expiration of term of confinement. Commander in Chief commuted sentence to immediate dishonorable discharge. In the case of Edward P. Keating P. H. on board U. S. S. "Hartford" charged with sleeping on post. Found guilty, sentenced to be confined in double irons for six months, to lose all pay during period of confinement, except 5 dollars per month and perform extra police duty for 60 days after term of confinement expired; sentence commuted by Commander in Chief, on recommendation of courts on account of previous good conduct, to one month confinement in single irons, one-hour exercise each day in the open air and to lose one months pay, excepting 5 dollars. In the case of Capt. Joseph Connolly (Lds), on board U. S. S. "Hartford", charged with treating with contempt his superior officers while in the execution of his office and using provoking words and gestures towards his superior officer. Found guilty and sentenced to be confined in double irons for 8 months, with one hour exercise every second day under sentry's charge, to lose one half the pay becoming due him during confinement, and to extra police duty for 60 days after confinement expires. Sentence commuted by Comdr. in Chief on account of having been confined for two months and on account of previous good conduct, to six months confinement in single irons with one hour exercise every day under charge of sentry and to lose one half pay becoming due him during confinement. At 2.30 Italian frigate got underway and left the harbor. Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

From 4 to 8 P.M. Cloudy and cool. Light airs from S. S. W. first hours, clear rest of watch. Bar. steady. Cir. Cum. Nimb. clouds. At 5.30 Flagship signaled 6068. At sunset sent down T. G. and P. yards. Hawse clear.

(Signed) James K. Cogswell
Lieut.

From 8 to Midnight. Cloudy. Cool. Light airs and light breeze from E. N. E. Barometer falling slowly. Sea smooth. Cross in hawse.

(Signed) Clinton K. Curtis
Lieut.

Moon's phase 2nd qr. Dir. N. 22°.

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			E by S	ENE	1	30.06	62	59	59		o	Cum Nimb	0	S	
2			ESE	"	2	30.06	62	59	59		"	"	0	"	
3			SE	"	1	30.04	62	59	59		"	"	0	"	
4			"	"	1	30.04	62	59	59		"	"	0	"	
5			S	Calm	0	30.05	62	60	60		"	"	0	"	
6			WSW	"	0	30.07	62	61	61		"	"	0	"	
7			NW	"	0	30.09	61	61	61		"	"	0	"	
8			"	NE	1	30.12	61	61	61		"	"	0	"	
9			WNW	Calm	0	30.08	62	63	63		"	"	0	"	
10			SW	SE	1	30.07	63	64	63		bc"	Cir Cum	3	"	
11			S by E	"	1-2	30.07	63	65	64		"	"	5	"	
Noon.			SE by S	"	1-2	30.07	63	66	65		"	"	2	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SE	SE	3	30.05	64	66	65	bc	Cir Cum	4	S
2	"	"	3	30.00	64	66	66	"	"	3	"
3	"	"	3	30.00	65	66	66	"	"	3	"
4	"	"	3	30.00	65	66	65	"	"	2	"
5	SSE	"	2	30.00	65	65	65	"	Cir Cum Nimb	2	"
6	SE by S	"	2	30.00	65	65	64	"		2	"
7	ESE	"	2	30.00	65	65	64	"		2	"
8	"	ESE	2	29.95	66	65	65	"		3	"
9	"	"	2	29.95	66	65	65	"		4	"
10	"	"	2	29.95	66	64	64	"		6	"
11	E	"	2	29.98	66	64	64	"		6	"
Mid.	E by N	"	0-1	29.98	66	64	64	"		6	"

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander Winfield Scott Schley, U. S. Navy.
Thursday April 11, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Cool. Light airs from E. N. E. Cum. Nimb. clouds.
Barometer steady last two hours. Clear hawse.

(Signed) James K. Cogswell
Lieut.

From 4 to 8 A.M. Overcast. cool. Pleasant. Calm. Cum. Nimb. clouds. At 7.30 Flagship made
general signal 3350, answered. Received in Construction Dept. 13 files. Clear hawse.

(Signed) Samuel C Lemly
Ensign.

From 8 to Merid. Cloudy. Pleasant. Calm and light airs from S. E. Barometer falling slowly. Sea
smooth. At 9.30 inspected at quarters. Finished painting ship outside. Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

From Merid. to 4 P.M. Cloudy. Pleasant Gentle S. E. breeze. Cum. Nimb. clouds. A small
French gunboat came in and anchored. Brazilian iron clad got underway and left the harbor.
Received on board Harry Garum (P. M.) and John McDaniels (P. M.) Transferred to "Hartford"
Edwin C. Taylor (P. M.) and Alfred Stahles (P. M) Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

From 4 to 8 P.M. Cloudy. Pleasant. Light breeze from S. E. Barometer steady. Sea smooth.
Clear hawse.

(Signed) Clinton K. Curtis
Lieut.

From 8 to Midnight. Clear. cool. Pleasant. Light E. S. E. breeze. Cum. Nimb. clouds. Bright
moonlight. Clear hawse.

(Signed) Samuel C. Lemly
Ensign.

Moon's phase 2nd qr. Dir. N. 18°.

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			ESE	Calm	0	30.02	65	65	65		bc	Cum Nimb	7	S	
2			"	"	0	30.02	65	65	64		"	"	9	"	
3			"	"	0	30.02	65	65	64		"	"	7	"	
4			"	"	0	29.99	65	64	64		"	"	7	"	
5			SSW	SW by S	1	29.96	65	64	64		"	Cir Cum	9	"	
6			"	"	2	29.95	65	64	64		"	"	8	"	
7			SW	"	1	29.98	65	64	64		"	"	8	"	
8			SW by W	"	2	30.00	65	64	64		"	"	9	"	
9			SW	"	2	30.01	65	65	65		"	"	9	"	
10			"	"	3	30.02	66	66	66		"	"	7	"	
11			"	"	3	30.02	66	66	66		"	"	7	"	
Noon.			SW by W	"	3	30.00	66	66	66		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours 300. "

Water remaining on hand fit for me at Noon 2000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			SW by W	W by S	3	30.00	66	67	67		bc	Cir Cum	7	S	
2			"	"	4	29.95	67	67	67		"	"	8	"	
3			SW	"	4	29.93	67	68	68		"	"	8	"	
4			"	"	4	29.93	69	70	69		"	"	9	"	
5			SW by W	W	4	30.00	68	70	69		"	"	9	"	
6			WSW	"	4	29.95	68	69	68		"	"	9	"	
7			"	"	4	29.95	67	67	66		"	"	9	"	
8			"	"	4	29.99	67	67	66		"	"	9	"	
9			W	"	3	30.00	69	66	65		"	"	9	"	
10			W by N	"	4	30.00	69	66	65		"	"	7	"	
11			WNW	WNW	3	30.00	66	65	65		"	"	8	"	
Mid.			NW by W	"	2	30.00	66	65	65		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander Winfield Scott Schley, U. S. Navy.
Friday April 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Calm. Barometer falling. Sea smooth. Clear hawse.

(Signed) C. K. Curtis
Lieut.

From 4 to 8 A.M. Clear. Cool. Pleasant. Light airs to light breeze from S. W. by South. Barometer rising. At 7.30 Flagship made general signal 3350. Clear hawse.

(Signed) C. B. T. Moore
Ensign.

From 8 A. M. to Merid. Clear pleasant. Light S. W. by South breeze at 9.30 exercised at general quarters. Times as follows. Marines 1.8s. Engineers Division 1.10s. Nav. Div. 1.35s. Powder Div. 1.50s. 1st Div 2nd 40s. 2nd Div. Shift to Port 7m 15s. Engaged in scraping blocks. Clear hawse.

(Signed) Saml. C. Lemly
Ensign.

From Merid. to 4 P.M. Clear and pleasant. Gentle to moderate breeze from W. by S. Engaged in scraping and oiling blocks. Clear hawse.

(Signed) C. B. T. Moore
Ensign.

From 4 to 8 P.M. Clear and pleasant. moderate W[e]st[er]ly breeze. Cir. cum. clouds. An American brigantine got underway and stood out under tow. Engaged in scrapers blocks. Clear hawse.

(Signed) Saml. c. Lemly
Ensign.

From 8 to Midnight. Clear. Cool. Pleasant. Moderate to light breeze from W. and W. N. W. Cross in hawse.

(Signed) C. B. T. Moore
Ensign.

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	The r. alt' d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			W	NNW	3	29.95	65	65	65	bc	Cir Cum	9	S	
2			WSW	"	3	29.94	62	64	64	"	"	9	"	
3			SW	W	3	29.94	62	63	63	"	"	9	"	
4			SW by S	"	3	29.94	60	60	62	"	"	9	"	
5			S by W	NW	2	29.96	60	60	61	b	none	10	"	
6			"	"	2	29.96	60	60	61	bc	Cum Str	9	"	
7			"	"	2	29.97	61	61	60	"	"	9	"	
8			NNW	NNW	2	29.97	61	61	60	"	"	9	"	
9			NW	"	2	29.98	64	64	64	"	Cir Cum	9	"	
10			WNW	W	2	29.98	66	67	67	"	"	9	"	
11			W	"	2	29.98	68	69	69	"	"	9	"	
Noon.			NNW	WSW	2	29.98	69	71	70	"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° " "

Variation of the Compass by Azimuth ° observed at ° " "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			W by S	W by S	2	29.93	69	70	70	bc	Cir Cum	9	T	
2			NW	NNW	4	29.89	69	72	71	"	"	9	"	
3			"	"	4	29.82	70	72	71	"	"	9	"	
4			N by W	"	4	29.85	71	74	72	"	"	9	"	
5			NNW	"	3	29.83	74	71	70	"	"	9	"	
6			N by E	N by W	3	29.83	71	72	71	"	"	9	"	
7			N by W	"	3	29.80	70	70	69	"	"	9	"	
8			"	"	4	29.78	70	69	68	"	"	8	"	
9			NNW	"	4	29.75	68	68	66	bq	"	9	"	
10			"	NNW	4	29.72	68	67	64	"	Cum Str	9	"	
11			"	"	6-8	29.71	67	66	65	"	"	10	"	
Mid.			"	"	6-8	29.70	67	66	65	bcq	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday April 13, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Gentle. W[e]st[er]ly breeze. Cir. Cum. clouds.
At 2.35 Moon set . Clear hawse.

(Signed) Saml. C. Lemly
Ensign.

From 4 to 8 A.M. Clear and pleasant. Light breeze from N. W. shifting to N. Cum. Str. clouds.
Barometer steady last two hours. A German Steamer brig rigged came in and anchored. At 6 a
small Brazilian Gunboat came in and anchored. Hawse clear.

(Signed) James K. Cogswell
Lieut.

From 8 A. M. to Merid. Clear and pleasant. Light breeze from N. N. W. shifting to W. S. W.
Barometer steady. Walter D. Dawson was appointed Captains clerk by Comdg Officer from this
date. The following changes were made in the ratings of men in the ship by order of Comdg.
Officer. B. O. Low from School Master to Master of Arms. C. H. Moulion from Ship Writer to
School Master Luther Baker from Qr. Mr. to Ships Writer All from the 2nd instant inclusive

(Signed) C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant Light breeze from W. by S. first hour Moderate breeze
from N. N. W. rest of watch Barometer falling cir cum clouds. Cross in hawse. A small Italian
Gunboat came in and anchored

(Signed) James K. Cogswell
Lieut.

From 4 to 8 P.M. Clear and pleasant Gentle to moderate breeze from N. N. W. and N. by W.
Barometer falling Cross in hawse. St. M. S. Foam came in and anchored Asst. Engineer C. L.
Dennett was detached from the ship and ordered home having been condemned by Medical
survey.

(Signed) C. B. T. Moore
Ensign

From 8 P. M. to Mid Clear Cool. Fresh breeze blowing to moderate gale in squalls from N. N. W.
Barometer falling slowly. Bright moonlight Cross in hawse.

(Signed) James K. Cogswell
Lieut

(Signed) Asa Walker, Lieut.
Navigator.

Examined and found to be correct

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		NNW	NNW	5-7		29.67	66	65	63		bc	Cir Cum	8	M		
2		"	N by W	6-8		29.66	66	66 44	63		"	"	9			
3		North	"	5-7		29.66	66	64	63		"	"	9	"		
4		N by W	"	5-7		29.64	66	64	63		"	"	9	"		
5		"	"	3-4		29.62	66	64	63		"	"	5	"		
6		"		3		29.62	66	64	64		"	"	3	"		
7		NNW	NNW	3		29.64	66	63	63		"	"	7	"		
8		N by W		3-4		29.66	66	64	63		"	"	7	"		
9		NW by N	NW by N	6-7		29.68	66	66	66		"	"	1	"		
10		"		7-8		29.66	67	69	68		"	"	2	"		
11		"		6-9		29.63	68	71	69		oqu	"	0	"		
Noon.		"		6-7		29.63	68	70	69		oqur	Cum Nim	0	""		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			1300
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	NW	NW	4-6	29.60	68	69	69	oqp	Cum Nim	0	R	
2	W	"	4-6	29.60	68	69	69	"	"	0	"	
3	"	W	4-5	29.60	68	68	68	"	"	0	"	
4	"	"	3-4	29.60	68	68	68	"	"	0	"	
5	S	"	2	29.60	68	68	68	o	"	0	M	
6	SSW	"	2	29.60	68	68	68		Cir Cum	2	S	
7	"	WSW	2	29.58	68	67	67	bc	"	4	"	
8	SW by S	"	3	29.62	68	67	67	"	"	2	"	
9	SW	"	3	29.62	69	67	67	"	"	4	"	
10	WSW	"	3	29.67	68	69	67	"	"	6	"	
11	"	"	3	29.69	69	67	67	"	"	4	"	
Mid.	NW	W	3	29.69	69	67	67	"	"	4		

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday April 14, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool Stiff breeze to moderate gale from N. N. W. and N.
by W Bright moonlight Moon set at 3.10 Cross in hawse Barometer falling

(Signed) C. B. T. Moore
Ensign

From 4 to 8 A.M. Partially cloudy Pleasant gentle to moderate breeze from N. by W. and N. N.
W. Barometer rising slowly Sea rough Cross in hawse At 7.30 Flat Ship made general signal
3350

(Signed) C. K. Curtis
Lieut

From 8 A. M. to Merid. Weather cloudy and threatening Fresh breeze from N. W. by N. blowing
very fresh in squalls. Barometer unsteady and low Running last hour Sea rough at 10
Commander inspected ship and crew at quarters Afterwards read prayers Round turn in hawse
Starboard chain on top

(Signed) James K. Cogswell
Lieut

From Merid. to 4 P.M. Overcast squalls and raining Clearing last hour Moderate to fresh breeze
from N. W shifting to W. Barometer steady Sea rough

(Signed) Clinton K. Curtis
Lieut

From 4 to 8 P.M. Cloudy and pleasant Light to gentle breeze from West to W. S. W. Barometer
steady. Cir Cum. clouds. Elbow in hawse.

(Signed) James K. Cogswell
Lieut

From 8 P. M. to Mid Partially cloudy Cool gentle breeze from W. S. W. shifting to West
Barometer rising. Sea smooth Bright moonlight

(Signed) Clinton K. Curtis
Lieut

Moons phase 2nd qr. Dec S. 1°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			WSW	WSW	2	29.69	67	66	66		bc	Cir Cum	9	S	
2			SW	SW	4-6	29.69	69	66	65		"	"	9	"	
3			SSW	"	4	29.69	67	66	65		"	"	9	M	
4			S by W	"	2	29.69	67	66	65		"	"	9	"	
5			S by E	"	3	29.70	66	66	65		"	"	9	S	
6			S	"	3	29.72	65	65	65		"	"	9	"	
7			SSW	"	3	29.74	65	65	65		"	"	8	"	
8			S	"	3	29.77	66	65	65		"	"	9	"	
9			"	NSW	2-3	29.79	66	66	65		"	"	8	"	
10			SW by W	SW by W	2-3	29.80	66	66	65		"	"	8	"	
11			N by S	"	2-3	29.80	66	66	66		"	"	8	"	
Noon.			"	"	2-3	29.80	66	66	66		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ☉	o	"
Longitude by Chronometer from Forenoon Observations ☉	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	o	"
Variation of the Compass by Azimuth ☉ observed at	o	"
Water expended during the preceding 24 hours		350 gallons.
Water received during the preceding 24 hours		1500 "
Water remaining on hand fit for me at Noon		2750 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			W by S	SW by W	1-2	29.81	67	70	70		bc	Cir Cum	9	S	
2			W	"	0	29.80	67	72	72		"	"	9	"	
3			"	"	0	29.80	68	74	74		"	"	9	"	
4			W by N	"	0	29.80	68	74	74		"	"	9	"	
5			N SW	"	1	29.80	68	74	73		"	"	9	"	
6			South East	"	1-2	29.79	68	71	70		"	"	8	"	
7			East	SSE	1-2	29.78	68	68	67		"	"	9	"	
8			SE by E	E	1-2	29.78	67	65	65		b	"	8	"	
9			"	"	2	29.77	66	66	63		"	"	8	"	
10			SE	"	3	29.78	66	66	63		"	"	8	"	
11			E	"	3	29.76	66	66	63		"	"	8	"	
Mid.			NE	"	3	29.76	66	66	63		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉	o	"
Longitude by Chronometer Observations *	o	"
Variation of the Compass by Amplitude observed at Sunset	o	"
Variation of the Compass by at	o	"

under the command of Commander W. Scott Schley, U. S. Navy.
Monday April 15, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Light breeze first and last hour of watch Moderate to to [sic] fresh breeze rest of watch Cir Cum clouds Barometer steady Elbow in hawse

(Signed) James K. Cogswell
Lieut

From 4 to 8 A.M. Clear and pleasant Gentle S. W. breeze Cir Cum clouds At 4.15 Moon set Clear hawse of round turn Large English Steamer came in. Followed Flag Ship in exchanging colors with English Gunboat coming in At 7.30 Flag Ship made general signal 3350 Answered. At 7.45 she made preparatory signal 5459 Answered At 8 Crossed T. G. Yards and loosed sail Clear hawse

(Signed) Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear warm and pleasant Light to gentle breeze from W. S. W and S. W by W. Barometer rising slowly Sea smooth At 9.30 inspected at quarters. The following punishments were awarded by Comdg. Officer F. Hunter (O.S) gross insolence to Petty Officer. 2 hours extra duty John Hall (O. S 2nd C) for abusive language to Captain Afterguard solitary confinement on bread & water Michl. Hogan (O S.) For refusing duty 2 hours extra duty At 9.40 Flag Ship made general 4390 with Essex distinguishing pendant beneath Answered At 11.40 Flag Ship made prep. 4826 Answered. At 11.45 made 4390 Answered & furled sail Clear hawse Received on board 1500 gallons water

(Signed) C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear and warm. Light airs from S. W. by W. first hour calm remainder of watch At 1.30 made Int[errogatory] signal 4383. Flag Ship answered 904 Called away all boats armed and equipped Time as follows Launch 14m 40s 1st Cutter 5 minutes 2nd Cutter 5m 30s Whale boat 5m 30s. By order of Comdg. Officer Wm Walker (Qr. Mr) was confused on berth deck for answering Officer improperly from aloft At 3.50 Flag Ship made prep signal Answered St. M Gunboat Elk came in Cross in hawse Quarterly board of survey condemned & threw over board 59 lbs pickles Received in Pay Dept 160 lbs fresh beef & same amount of vegetables.

(Signed) Saml C. Lemly
Ensign

From 4 to 8 P.M. Clear and pleasant Light airs & breeze from S. S. E. & E. Barometer falling slowly Sea smooth At sundown mustered at quarters and served out clean hammocks Clear hawse

(Signed) C. K. Curtis
Lieut

From 8 P. M. to Mid. Clear and cool Bright moonlight Gentle breeze from Eastward Cross in hawse

(Signed) Saml C. Lemly
Ensign

Moos phase 2nd qr. Dec S. 8°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NE	NE		29.74	62	60	60		bc	Cir Cum	9	M	
2			"	"		29.72	62	60	60		"	"	9	"	
3			"	"		29.60	62	60	60		"	"	9	"	
4			"	"		29.67	62	60	60		"	"	5	"	
5			ENE	"		29.64	62	61	61		bcp	"	3	"	
6			"	"		29.60	62	62	62		bcl	Cum Nimb	5	"	
7			E By S	"		29.65	63	62	63		o	"	3	S	
8			ENE	"		29.65	63	64	65		or	"	0	"	
9			SE	"		29.60	65	64	65		"	"	0	"	
10			East	"		29.62	65	64	65		"	"	0	"	
11			ESE	"		29.55	65	64	65		"	"	0	"	
Noon.			NNE	"		29.57	65	64	65		bcp	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1700 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			NE	NE	2	29.54	66	67	67		op	Cum Nim	0	S	
2			NE by E	Calm	0	29.52	66	67	68		"	"	3	"	
3			SW by W	SW	3-6	29.66	67	67	67		bcq	"	0	"	
4			SW	SSW	4-6	29.59	67	67	67		o	"	8	M	
5			S	S by W	4-5	29.65	67	67	67		bc	"	8	"	
6			SSE	"	2-3	29.65	67	67	67		"	Cir Cum	9	"	
7			SE by S	"	1-2	29.62	67	67	67		"	"	7	S	
8			S	W	3	29.65	67	67	67		"	"	7	"	
9			SSW	SSW	3-7	29.77	68	66	67		"	"	8	"	
10			SW	SW	3-6	29.78	68	67	67		"	"	7	"	
11			"	SSW	5-7	29.80	67	65	65		"	"	9	"	
Mid.			SSW	"	6-8	29.81	67	65	65		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday April 16, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part of watch Cloudy latter Cool moderate breeze
strong puffs from N. E. Barometer falling moderate sea setting to S. s. E. Cross in hawse

(Signed) C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy with passing showers first part. Lightening to N. e. overcast & raining
latter part Stiff to light breeze from N. E. Barometer unsteady. At 7.30 Flag Ship made general
signal 3350 Answered Cross in hawse

(Signed) C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy continuous rain until 10.15 after which passing showers. A
Brazilian Iron clad came down the river and anchored An American brigantine and English
Steamer went to sea Wind light to moderate from N. E. Cross in hawse port chain on top
Captains Clerk W. D. Dawson reported for duty

(Signed) Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy with passing showers first part Clear last hour Calm and light airs
from N. W. first part Gentle to fresh breeze from S. S. W. and S. w. last hour English Steamer
(P. S. N. C.) went out of harbor Open hawse.

(Signed) C. B. T. Moore

From 4 to 8 P.M. Clear and cool. Moderate to fresh breeze from S. W. by W. falling light and
shifting to Wst towards end of watch Cir Cum clouds Discharged Irvin Winbush (W. G. S.) from
the Ship and service in accordance with sentence of General Court Martial.

(Signed) Saml. C. Lemly
Ensign

From 8 P. M. to Mid. Clear and damp Gentle breeze to moderate gal from S. S. W. and S. W.
blowing in gusts. Bright moonlight Sea rough. Barometer rising. Open hawse.

(Signed) C. B. T. Moore
Ensign

Moon phase 2nd qr. Dec. S. 14°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bul b.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	SSW	5-7		29.81	65	63	63		bc	Cir Cum	8		R
2				SSW	"		29.83	65	63	63		"	"	9		"
3			"	"	"		29.83	65	62	62		"	"	9		"
4			"	"	"		29.86	64	61	61		"	"	9		"
5			"		S by W		29.90	64	61	60		"	"	9		"
6			"	"	"		29.93	63	61	60		"	"	9		"
7			S	"	4		29.95	63	61	60		"	"	9		"
8			S by E	"	5-4		29.98	63	61	60		"	"	9	"	
9			S	SW	3		30.02	63	61	60		"	"	9	M	
10				SSW	WSW		30.03	63	61	60		"	"	9	"	
11				S by W	W		30.03	63	62	62		"	"	9	"	
Noon.				SW	"		30.03	63	62	62		b	none	10	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water			"
during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	WSW	WSW	2	30.02	62	63	62	b	None	10	S
2	W	"	2	30.03	62	64	62	"	"	10	"
3	"	"	2	30.03	65	63	63	"	"	10	"
4	WSW	"	2	30.02	64	65	63	"	"	10	"
5	WNW	"	2	30.03	63	65	65	"	"	10	"
6	WSW	"	2	30.05	64	63	62	"	"	10	"
7	SW by S	NW by W	1	30.04	64	63	62	"	"	10	"
8	SSE	N	1	30.02	65	60	60	"	"	10	"
9	ESE	NNW	1	30.02	65	58	57	"	"	10	"
10	SSE	"	1	30.02	63	57	57	"	"	10	"
11	SW	NW	2	30.02	60	57	57	"	"	10	"
Mid.	"	NE	2	30.02	60	55	54	"	"	10	

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday April 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool Blowing a pampero from S. S. W. Bright moonlight.
Cir Cum clouds. Clear hawse

(Signed) Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear and cool fresh breeze from S. by W. decreasing to moderate breeze At
7.30 Flag Ship made general signal 3350 Answered At 7.40 Flag Ship made prep. signal 5451
Answered. At 7.50 made 5457 Answered & crossed royal yards & loosed sail Clear hawse

(Signed) Wm G. Hannum
Midshipman

From 8 A. M. to Merid. Clear & pleasant Gentle breeze from S. W. shifting to W. At 8.45 made
Int. signal 4387. Flag Ship answered 904 Furled royals sent down and crossed royal yards At
9.30 inspected at quarters exercised at company drill and dress parade At 11.15 Flag Ship
made prep signal 4826 Answered. At 11.30 Flag Ship made general signal 4826. Answered &
furled sail. Clear hawse

(Signed) C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear & pleasant Light breeze from W. S. W. Barometer steady At 1.20
made general signal 4390 flag Ship answered 904 Exercised at sending up & down light yards
& making sail Wm Walker (Qr. Mr) & John Hall (O. S 2nd C) were released from confinement by
order of Comdg. Officer Hawse clear

(Signed) James K. Cogswell
Lieut

From 4 to 8 P.M. Clear cool & pleasant Light breeze from W. S. W. shifting to N. At 5.18 Flag
Ship made prep signal 6140 Answered At 5.25 Flag Ship made general signal 6.40 Answered &
sent down light yards & top g[a]llant masts Open hawse

(Signed) C. B. T. Moore
Ensign

From 8 P. M. to Mid. clear & pleasant. cool light breeze from N & W shifting to N. E. latter part of
watch Barometer steady. At 9.20 exercised at quarters time of casting loose Eng. Div. 3m 0s.
Nav. Div. 3m 10s. Power Div 3m 50s. 2nd Div 4m 30s. Marine Guard 4m 10s. 1st Div 5m 15s.
Second in 4 minutes Cross in hawse starboard chain on top

(Signed) James K. Cogswell
Lieut

Moons phase 3rd qr. Dec S. 20°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches	Ther. alt'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			N by W	N by W	2		30.04	55	55	55		b	none	10	S	
2			NW by N	NNW	3		30.03	55	53	53		"	"	10	"	
3			NNW	"	3		30.04	54	52	52		"	"	10	"	
4			N by W	"	3		30.02	54	52	52		"	"	10	"	
5			"	N	3		30.02	54	49	49		"	"	10	"	
6			"	"	3		30.02	50	50	49		"	"	10	"	
7			N by E	"	3-4		30.02	66	65	51		"	"	10	"	
8			NNE	"	3-4		30.02	56	54	53		"	"	10	"	
9			NE	NNW	5-6		30.04	58	59	58		bq	"	10	"	
10			E by N	N by W	5-6		30.03	54	64	63		"	"	10	"	
11			N by W	N	4-5		30.02	62	67	65		"	"	10	"	
Noon.			NNE	NNE	4-5		30.00	64	69	66		"	"	10	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☺	°	'	"
Longitude by Chronometer from Forenoon Observations ☺	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☺ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☺ observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N	N	3-4	29.96	67	68	68	b	none	10	M
2	"	"	3-4	29.94	67	70	69	"	"	10	"
3	NNW	"	3	29.93	67	75	72	"	"	11	"
4	"	"	3	29.81	68	75	72	"	"	10	"
5	"	"	3	29.89	68	75	71	bc	Cum	9	S
6	NNW	"	2	29.89	68	72	71	"	"	9	"
7	N	NE	2	29.90	67	68	68	"	"	9	"
8	East	"	1	29.91	67	66	66	b	"	10	"
9	ESE	N	1-2	29.94	67	65	76	"	none	10	"
10	"	ENE	1	29.94	67	64	74	"	"	10	"
11	"	NE	1-2	29.94	67	64	63	"	"	10	"
Mid.	SE	"	1-2	29.94	67	63	62	"	"	10	"

Longitude by Chronometer from Afternoon Observations	Longitude by Chronometer Observations	Variation of the Compass by Amplitude	Variation of the Compass by
0	*	observed at Sunset	at

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday April 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Light to gentle breeze from N. by W. and N. N. W.
Bright moonlight. Elbow & cross in hawse.

(Signed) C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and cool. Gentle breeze from N. increasing latter part to moderate
breeze. Sea setting to S. S. E. At 7.30 Flag Ship made general signal 3350. Answered. At 7.45
Flag Ship made prep 6144. Answered. At 7.55 Flag Ship made general signal 6144. Answered
sent up top gallant masts & crossed top gallant yards. Foul hawse elbow and cross.

(Signed) C. K. Curtis
Lieut

From 8 A. M. to Merid. Moderate breeze shifting during watch from N. N. W. to N. N. E.
Barometer falling slowly. Sea moderate. At 9.40 inspected at quarters. An Italian man of War
came in and anchored. Elbow and cross in hawse.

(Signed) James K. Cogswell
Lieut

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from N. decreasing during watch.
Barometer falling. Moderate sea setting to S. S. E. Served out monthly money to crew. Foul
hawse elbow & cross.

(Signed) C. K. Curtis
Lieut

From 4 to 8 P.M. Clear and pleasant. Light breeze from North first two hours last two hours N.
E. Barometer rising slowly. At 5 Flag Ship made general signal Answered. Round turn in hawse.

(Signed) James K. Cogswell
Lieut

From 8 to Mid. Clear and cool. Light airs to light breeze from North shifting to E. N. E. and N. E.
Barometer rising. Sea smooth. Turn in hawse.

(Signed) C. K. Curtis
Lieut

Moons phase 3rd qr. Dec. S. 27°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay South America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			SSE	NE	3		29.90	65	61	61		bc	Cir Cum	9	S		
2			ESE	ESE	3		29.87	65	60	60		"	"	6	"		
3			N by E	NE	3		29.87	65	61	61		"	"	7	"		
4			N	"	2		29.86	65	60	60		"	"	5	"		
5			"	NNE	2		29.80	65	61	61		"	"	6	"		
6			"	N	2		29.86	64	61	62		"	"	6	"		
7			NNE	"	2		29.87	63	61	62		"	"	7	"		
8			NE	"	2-3		29.87	63	62	62		"	"	7	"		
9			East	NNW	2-3		29.87	66	68	67		"	"	4	"		
10			"	"	2		29.87	66	68	68		"	"	3	"		
11			E by S	"	1-2		29.87	66	69	68		"	"	2	"		
Noon.			"	"	1-2		29.86	66	69	69		"	"	1	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			East	NNW		29.85	68	70	70		bc	Cir Cum	1	S	
2			ESE	SW		29.84	68	70	70		"	"	0	"	
3			South	"		29.83	68	69	69		"	"	0	"	
4			SSW	"		29.84	68	69	69		o	"	0	"	
5			SW	"		29.84	68	67	67		bc	Cir Cum Nimb	2	"	
6			"	"		29.86	68	67	67		"	"	7	"	
7			S by E	SSW		29.86	68	67	67		"	Cir Cum	8	"	
8			SSE	"		29.86	66	66	66		"	"	8	"	
9			"	Calm		29.86	66	66	66		"	"	9	"	
10			"	SW		29.86	66	66	66		"	"	9	"	
11			S	"		29.87	66	66	66		"	"	9	"	
Mid.			"	"		29.86	66	66	66		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday April 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy & pleasant Light breeze from N. E. last two hours.
Barometer falling Cir Cum clouds Cross & elbow in hawse

(Signed) James K. Cogswell
Lieut

From 4 to 8 A.M. Clear & pleasant. light W[e]s[ter]ly breeze Cir Cum clouds At 7.30 Flag Ship
made general signal 3350 Answered. Elbow cross in hawse.

(Signed) Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear & pleasant. Gentle breeze form N. N. W. dying out to light airs
during watch. Barometer falling slowly Sea smooth At 9.30 exercised to quarters as her routine
Time as follows Cast loose 1st Div 4m 10s 2nd Div 3m 27s Powder Div. 1m 30s Nav. Div. 2m 30s
Surg. Div. 1m 00 Marine Guard 30s. At 11. made telegraphic signal 2077-9-6179-4079-2535-
6189-4904-8149-629-8971-870. Flag Ship answered 9-0935-662-5965-2988-6939-9274-3120
By order of Comdg. Officer John L. King (B. M.) was placed in solitary confinement on bread
and water for drunkenness on duty. F. A. Dran (Boats) was placed under arrest to await action
by Comdr. in Chief for violating a general order of the ships & giving liquor to an enlisted man
Cross in hawse.

(Signed) Clinton K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy & pleasant Light breeze from S. W. Cir. Cum. Nimb. clouds
Cleared hawse of round turn At 3.20 Flag Ship made general signal 2984. Answered. Received
from U. S. Flag Ship Hartford the following stores in Pay. Dept. 50 Working suits. 2 Bales
sheeting. 100 Prs. socks. 108 Yds duck. 2 Bolts cloth. 3 Bales flannel 60 Boxes blacking. 100
silk hkfs [handkerchiefs]. 48 Wisk brooms.

(Signed) Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear first hour. Cloudy remainder of watch Light airs and light breeze from S.
W. & S. S. W. Barometer rising slowly Sea smooth Clear hawse

(Signed) Clinton K. Curtis
Lieut

From 8 P. M. to Mid Clear cool and pleasant. Calm first part light South Westerly airs latter part
of watch Cir. Cum. clouds Bright moonlight. Clear hawse

(Signed) Saml. C. Lemly
Ensign

Moons phase 3rd qr. Dec S. 27°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay South America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	The r. att' d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			SSW	SW	2-3		29.88	65	65	65		bc	Cum Nimb	7	S		
2			SW by S	"	2-1		29.88	65	65	65		"	"	8	"		
3			SW	"	1		29.88	65	65	64		"	"	8	"		
4			"	"	0-1		29.89	65	64	64		"	"	9	"		
5			"	"	3		29.90	65	64	64		"	Cir Cum	9	"		
6			"	WSW	2		29.90	65	64	64		"	"	9	"		
7			S by W	"	2		29.93	64	65	65		"	None	10	"		
8			SSW	"	2		29.95	65	65	65		"	Cir Cum	10	"		
9			S by E	W by S	3		29.97	66	65	65		"	"	9	"		
10			SSE	"	4		29.94	66	65	64		"	"	9	"		
11			"	"	4		29.95	66	66	65		"	"	9	"		
Noon.			"	"	4		29.96	66	65	64		"	"	9	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			South	W by S	4	29.96	66	66	64	bv	Cir Cum	9	S	
2			SW	"	4	29.97	66	66	65	"	"	9	"	
3			"	West	4	29.97	66	66	67	"	"	9	"	
4			SW by S	W by S	4	29.97	67	67	67	"	"	9	"	
5			"	WSW	4	29.99	68	67	69	"	"	9	M	
6			"	SW	4	30.00	67	65	64	"	"	8	"	
7			S by W	SSW	4-5	29.97	67	65	64	"	"	8	"	
8			"	"	4-5	29.99	67	64	64	"	"	7	"	
9			South	"	4-6	30.02	66	64	63	"	"	1	"	
10			S by W	"	6-7	30.03	65	63	62	"	Cir Cum Nim	3	"	
11			"	"	6-8	30.03	65	62	60	"	"	2	"	
Mid.			"	"	6-8	30.05	64	62	60	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday April 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool Light airs and light breeze from S. W. Barometer steady Sea smooth Bright moonlight Clear hawse.

(Signed) Clinton K. Curtis
Lieut

From 4 to 8 A.M. Clear and pleasant. Gentle breeze from S. W. first hour shifting to W. S. W. and falling to light breeze At. 7.30 Flag Ship made general signal 3350 Barometer rising Clear hawse.

(Signed) C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and pleasant. Moderate breeze from W. by S. At 9.30 Flag Ship made general signal 3077. At 9.45 Flag Ship made prep signal 1017. Answered. Aired bedding. Brazilian Man of War Amazonia ran into us veered to 90 fathoms on port & 60 faths on Starboard chain damages as follows. Three bumpkin staybolts carried away and stays of same bent. One Forecastle iron stanchion broken. One awning stanchion lower pin and bolt bent. Gooseneck of swinging boom bent and stays carried away. Ring on after side of cathead carried away. Jib martingale broken. Iron head rail sprung. Iron jackstay sprung. Upper head rail split in 4 places badly chafed in one Flying jib-boom broken. Sent down fore top gallant yard and mast. Made telegraphic signal to Hartford 1650-8750-4879-4302-0416- Got up & overhauled both chains. Clear hawse Strong current from S. E. Amazonia stood out to outer anchorage & came to

(Signed) Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Moderate breeze from W. By S. and W. At 12.45 made telegraphic signal to Flag Ship 4172-4600-4275-1940-629-1672-4600-5973-004-7280-1672-4600-5973-004-7280-22027978-5848-7420-3808-3755. Numeral 350-3509.- At 1.20 made telegraphic signal to Flag Ship 2077-9-8277-3519-9449-117-8277-0383-4249-0338-7836-756-6298-9409-1672-4309. Flag Ship answered 904. At 1.30 Flag Ship made prep. signal 2240 Answered. Piped down aired bedding. Stove into to 30 fathoms on both chains. Sent down main top gallant yard and mast. Clear hawse

(Signed) C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant Moderate breeze shifting from W. by S. to S. S. W. Cir Cum clouds. Moderate sea. Clear Hawse

(Signed) Saml C. Lemly.
Ensign

From 8 P. M. to Mid Moderate breeze to moderate gale blowing in gusts from S. S. W. Obscured moonlight Barometer rising. Open hawse

(Signed) C. B. T. Moore
Ensign

Rated chronometers Moons phase 3rd qr. Dec S. 27°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	SSW	4-7		30.05	62	59	58		bc	Cir Cum	5	R	
2			SSW	"	5-7		30.05	61	58	57		"	"	5	"	
3			"	"	5-7		30.07	60	57	56		"	"	6	"	
4			SW by S	"	5-7		30.09	59	57	56		"	"	7	"	
5			"	"	6-7		30.14	58	57	55		"	"	9	"	
6			"	"	6-7		30.15	58	57	55		"	"	9	"	
7			SSW	"	3-6		30.16	58	57	55		"	"	9	"	
8			"	"	4-5		30.17	58	57	55		"	"	9	"	
9			SW by S	"	4-6		30.17	59	57	56		"	"	9	"	
10			SSW	"	3-5		30.18	59	57	56		"	"	8	"	
11			S by W	South West	4		30.18	59	57	56		"	"	9	"	
Noon.			South	South W	4		30.18	59	59	58		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1			South	SW	3		30.15	60	59	58		bc	Cum Nimb	9	S	
2			SSW	WSW	3		30.15	60	59	59		"	"	9	"	
3			SW by S	"	3		30.15	60	60	59		"	"	9	"	
4			"	"	2		30.15	60	60	59		"	"	9	"	
5			SW by W	"	3		30.14	64	59	59		"	"	8	"	
6			WSW	SW	2		30.14	63	59	59		"	"	4	"	
7			West	WSW	1		30.14	63	58	58		"	"	6	"	
8			NW by W	NW	1		30.14	63	55	54		"	"	6	"	
9			NW	North	2		30.14	60	53	53		"	"	9	"	
10			North	"	2		30.15	60	53	53		"	"	9	"	
11			ENE	"	2		30.12	60	53	53		"	"	9	"	
Mid.			SE by S	NE	1		30.12	60	53	53		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday April 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Blowing a pampero from S. S. W. Cir Cum. clouds
Bright moonlight Clear hawse

(Signed) Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant. Fresh to very fresh breeze first part. Stiff to moderate
breeze latter part of watch. Sea rough Barometer steady last two hours. Hawse clear.

(Signed) James K. Cogswell
Lieut

From 8 A. M. to Merid. Clear and cool. Fresh breeze from S. S. W. falling to moderate breeze
and shifting to s. W. At 9.40 inspected at quarters. At 10. Comdg. Officer inspected ship and
crew at quarters. Afterwards read prayers. John L. King (B. M.) was released from confinement
by order of Comdg. Officer. Clear hawse. German Steamer came in and anchored.

(Signed) C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant Moderate breeze from W. S. W. Barometer steady A
visiting party from Flag Ship came on board Hawse clear

(Signed) James K. Cogswell
Lieut

From 4 to 8 P.M. Clear cool and pleasant Gentle breeze to light airs from W. S. W. & S. W. At
5.20 Flag Ship made general signal 2985 Cross in hawse

(Signed) C. B. T. Moore

From 8 P. M. to Midnight. Clear first part cloudy last hour. Light breeze to gentle airs shifting
from N. W. to N. and N. E. Barometer steady. Elbow in hawse

(Signed) James K. Cogswell
Lieut

Moons phase 3rd qr. Dec S. 27°

Examined and found to be correct

(Signed) Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			SSE	NW	1		30.15	60	53	53		bc	Cir Cum	5	S		
2			SE by S	"	3		30.15	60	54	54		"	"	6	"		
3			NNE	N by W	3		30.15	60	52	52		"	"	4	"		
4			NW	"	2		30.14	58	50	50		"	"	7	"		
5			"	"	2		30.12	56	50	50		"	"	7	"		
6			N by W	"	2		30.12	56	51	50		"	"	7	"		
7			"	"	2		30.14	56	51	51		"	"	7	"		
8			North	NNE	1		30.15	56	52	52		"	"	8	"		
9			NNW	WNW	2		30.18	57	57	56		"	"	1	"		
10			"	NW	2		30.20	58	59	58		"	"	1	"		
11			North	NNW	2		30.19	59	61	60		"	"	1	"		
Noon.			E by N	North	2		30.18	60	64	64		"	"	1	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours 2200 "

Water remaining on hand fit for me at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			ENE	North	2	30.17	62	68	66	bc	Cir Cum	5		
2			NE by E	"	2	30.17	63	69	67	"	"	3		
3			SE by S	"	2	30.15	62	68	67	"	"	3		
4			NW	"	2	30.15	62	69	67	"	"	5		
5			NW by N	"	1	30.15	63	67	67	"	"	8		
6			NNW	"	1	30.15	65	67	66	"	"	8		
7			"	NNE	1	30.11	65	66	66	"	"	9		
8			N by W	"	1	30.11	65	64	64	"	"	8		
9			N by E	North	1	30.13	65	62	62	"	"	8		
10			NNW	"	1-2	30.13	64	62	62	"	"Cum Nimb	8		
11			"	"	2-4	30.13	63	60	60	"	"	8		
Mid.			N by E	"	3-4	30.13	60	58	57	"	"	8		

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday April 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool Light airs to gentle breeze from N. W. and N. by W.
Moonlight Cross in hawse

Signed C. B. T. Moore

From 4 to 8 A.M. Clear cool and pleasant Light breeze from N. by W. shifting to N. W. E.
Barometer fluctuating Sea smooth Cross in hawse

Signed C. K. Curtis.

From 8 A. M. to Merid. Cloudy and pleasant Light breeze shifting from W. N. W. to North.
Barometer falling slowly. Cir Cum clouds At 9.30 inspected at quarters exercised 1st & 2nd Div. at
great guns Powder Div. at stations The Brazilian Admiral sent an Officer on board to convey his
regrets to the Comdg. Officer for the accident which occurred on Saturday The Brazilian Flag
Ship Amazonia running into this vessel The Comdr of her H. B. M. Ship Griffon paid an official
visit to the Comdg Officer Received on board 2200 gallons fresh water Cross in hawse
starboard chain on top

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy. Pleasant light breeze from N. Barometer falling slowly
Sea smooth. Carpenter's gang engaged in repairing damages occasioned by Brazilian Frigate
Amazonia At 2.30 A board of survey consisting of Comdr W. S. Schley Lt Comdr P. F.
Harrington and Carpenter W. A. Barry convened on board to survey the damages caused by the
Brazilian Man of War Amazonia running into this ship on the 20th instant At 3.20 Flag Ship made
general signal 2984 Answered. Foul hawse elbow & cross.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear and pleasant. Light airs from N. to N. N. E. Barometer steady Cir cum
clouds elbow & cross in hawse.

Signed James K. Cogswell
Lieut

From 8 P. M. to Midnight. Clear and cool Light airs increasing during watch to moderate breeze
from N. Barometer steady Sea smooth moon rose at 10. Elbow and cross in hawse

Signed C. K. Curtis
Lieut

Moons phase 3rd qr. Dec S. 25°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			NNE	NE	3		30.13	60	57	57		bc	Cir Cum	9	S		
2			"	"	3		30.12	60	56	55		"	"	9	"		
3			North	NNW	2		30.12	60	56	55		"	"	9	"		
4			"	"	2		30.12	60	56	55		"	"	9	"		
5			"	"	2		30.12	60	56	56		"	"	7	"		
6			"	N by E	3		30.12	60	57	56		"	"	8	"		
7			N by E	"	3		30.12	60	57	57		"	"	0	"		
8			North	"	3		30.08	60	57	57		"	"	0	"		
9			N by W	"	3		30.04	60	61	60		"	"	8	"		
10			N	"	3-4		30.03	63	64	62		"	"	8	"		
11			"	"	4		30.03	65	67	75		"	"	6	"		
Noon.			N by E	"	4		30.02	66	70	69		"	"	6	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 2558 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			N by E	N by E	4	30.04	67	71	69		bc	Cir Cum	8	S	
2			"	"	4	30.06	67	72	71		"	"	7	"	
3			"	NNE	3	30.06	69	73	72		"	"	8	"	
4			"	"	2	30.06	69	73	72		"	"	9	"	
5			MME	NE	2	30.06	69	71	70		"	"	9	"	
6			NNW	North	2	30.06	69	69	68		"	"	9	"	
7			"	"	2	30.06	69	67	67		"	"	9	"	
8			NNE	"	2	30.05	69	67	66		"	"	9	"	
9			N by E	NNE	3	30.03	66	66	65		"	"	9	"	
10			NNE	"	4	30.04	66	66	65		"	"	9	"	
11			"	NE	4	30.04	66	66	65		"	"	9	M	
Mid.			NE by N	"	4	30.04	66	64	65		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday April 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Gentle breeze first from North light breeze latter part from N. N. W. Barometer steady. Elbow and cross in hawse

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Clear cool and pleasant Gentle N. by E. breeze Cir Cum clouds At 7.30 Flag Ship made general signal 3350 Answered Elbow and cross in hawse

Signed Saml. C. Lemly.
Ensign

From 8 A. M. to Merid. Clear & pleasant Gentle to moderate breeze from N. Barometer falling slowly Moderate sea settling to S. S. E. At 9.30 inspected at quarters exercised at company drill At 10.35 flag Ship made general signal 1684. Answered At 10.40 made telegraphic signal 1788 Flag Ship made 3873. Answered & made 188-4879-2912-7784-4204-463-6124-8149-. By order of Comdr the following punishments were administered. August Gross (O. S. 2 C.) for skulking 6 hours on quarter deck out of working hours. Wm. Rich (Lads) & Cornelius Robinson (Lads) for fighting in Ward room pantry at 5 A. M. and disturbing Officers 3 mid watched Edward F. Ferry (O. S.) for using Officer's water closet 2 hours extra duty. Boatswain T. A. Dran was released from arrest & restored to duty by order of Comdg. Officer. Elbow and cross in hawse.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear and pleasant Moderate N. breeze dying out and shifting to N. N. E. Cir. Cum clouds By order of Comdg. Officer private Lurburg was placed in solitary confinement full rations for not obeying orders promptly Her Majestys Gunboat Foam got underway and stood out to sea Cleared hawse elbow. Crossing hawse

Signed Saml. C. Lemly.
Ensign

From 4 to 8 P.M. Clear and pleasant. Light breeze from N. E. & N. Barometer falling slowly Sea smooth At 5.18 Flag Ship made general signal 2954 Answered. received on board from Hartford 20 lbs 3/4 inch round iron 15 lbs 1 inch round iron and 10 lbs 1/14 inch round iron. Cross in hawse

Signed C. K. Curtis
Lieut

From 8 P. M. to Midnight Clear and cool Moderate N[or]th[I]y breeze shifting to N. E. by N. towards end of watch Cir. Cum clouds At 11.10 Moon rose Cross in hawse

Signed Saml. C. Lemly
Ensign

Moons phase 3rd qr Dec S. 21°.

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			ENE	NE	3-4		30.04	66	64	64		bc	Cir Cum	8	S	
2			NE	"	3-4		30.03	61	65	65		"	"	7	"	
3			"	"	3-4		30.02	66	65	65		"	"	5	"	
4			"	"	3		30.00	60	65	65		"	Cum Nimb	1	"	
5			N by E	North	1		30.00	67	65	65		"	"	4	"	
6			N by W	"	2		30.00	67	63	65		"	"	5	"	
7			NNW	"	1		30.02	67	65	65		"	"	6	"	
8			"	"	2		30.02	67	65	65		"	"	4	"	
9			"	"	2		30.02	69	69	69		"	"	5	"	
10			"	"	2		30.02	70	70	72		"	Cir Cum	5	"	
11			South	Calm	0		30.02	71	72	73		"	"	6	"	
Noon.			SE	SE	0-1		30.00	72	73	73		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 2200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			South	SW	1	29.96	70	72	72		bc	Cir Cum	7	S	
2			S by E	"	0-1	29.96	70	72	72		"	"	8	"	
3			"	SE by S	0-1	29.96	70	72	72		"	"	8	"	
4			SSE	"	0-1	29.96	70	72	72		"	"	9	"	
5			ESE	NE	1	29.96	70	72	72		"	"	9	"	
6			East	Calm	0	29.95	70	72	72		"	"	9	"	
7			ENE	"	0	29.93	70	70	70		"	"	9	"	
8			E by N	"	0	29.91	70	70	70		"	"	9	"	
9			North	"	0	29.96	70	70	70		"	"	9	"	
10			N by W	"	0	29.95	70	70	70		"	"	9	"	
11			WNW	"	0-1	29.95	70	69	69		"	"	9	"	
Mid.			North	"	1	29.95	70	68	68		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude * observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday April 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Clouding over last hour. Gentle to moderate breeze from N. E. Sea smooth. Cross in hawse By order of Comdg Officer Wm Rich (Lds) and Cornelius Robinson (Lds) stood mid watch.

Signed C. K. Curtis

From 4 to 8 A.M. Cloudy and pleasant Light airs to light breeze from N. At 7.30 Flag Ship made general signal 3350 Answered. At 7.55 Flag ship made general signal 5455 Answered. At 8 loosed sail Cross in hawse starboard chain on top.

Signed C. B. T. Moore.
Ensign

From 8 A. M. to Merid. Clear and warm Light breeze from N. first two hours. Calm and light airs from S. E. latter part Cir. Cum Nimb clouds At 9.30 inspected at quarters & exercised companys A & B at single sticks At 11.45 furled sail Elbow in hawse.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and warm. Calms and light airs from S. W. & S. E. by S. Received from Flag Ship spar for flying jib boom At 3.20 Flag Ship made 2984 Answered Clear Hawse.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant Light airs & calms. Cir Cum clouds. H. B. M. Gunboat Griffon got underway and shifted berth further in Cross in hawse.

Signed Saml. C. Lemly
Ensign

From 8 P. M. to Midnight. Clear and pleasant Calm first two hours. light airs from N. N. W. and N. last two Barometer steady. Cross in hawse.

Signed C. B. T. Moore
Ensign

Moons phase last qr. Dec S. 17°

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay South America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			East	Calm	0		29.95	68	67	67		bc	Cir Cum	9	S	
2			ESE	"	0		29.59	68	66	66		"	"	9	"	
3			SE	"	0		29.92	67	66	66		"	"	9	"	
4			"	SE	1		29.92	67	66	66		"	"	9	"	
5			SE by S	NE	1		29.94	66	65	65		bclm	Cum Nimb	7	"	
6			SE by E	"	1		29.95	67	66	66		bcm	"	6	"	
7			"	"	1		29.95	67	66	66		"	Cir Cum	5	"	
8			South East	North	1		29.96	67	67	67		"	"	5	"	
9			SSE	Calm	0		29.96	68	69	69		"	"	5	"	
10			W by S	South	0-1		29.99	69	70	70		"	"	5	"	
11			NNW	SE	1		30.00	69	70	70		"	Cir Cum Nimb	4	"	
Noon.			N by W	SE	0-4		29.98	69	70	70		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1850 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1			ESE	SE by S	1-3		29.96	69	70	70		bcm	Cir Cum Nimb			
2			SE	SE	2		29.95	69	70	70		"	"			
3			"	EE by E	2		29.95	69	69	69		bcl	"			
4			SE by E	"	2		29.95	69	70	70		ot	"			
5			"	ESE	2		29.96	69	70	70		qm	"			
6			ESE	NE	1		29.96	70	70	70		"	"			
7			E by S	"	2		29.98	70	69	69		ol	"			
8			East	ENE	3		29.98	70	69	69		"	"			
9			"	East	3-5		29.92	70	69	69		olt	"			
10			"	"	3-4		29.92	70	69	68		oc	"			
11			"	"	3		29.92	70	68	68		olv	"			
Mid.			"	SE	2		29.93	70	68	68		ort	"			

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday April 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant. Damp. Calm. At 12.02 moon rose Elbow in hawse.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Misty light airs from N. E. to N. Barometer rising slowly. Lightening in the horizon to the S. W. first hour of watch. Bright halo around the moon. At 7.30 Flag ship made general signal 3350 Answered Elbow in hawse.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Partially cloudy. Warm misty calm and light airs from S. and S.E. At 9.30 inspected at quarters By order of Commanding Officer Wm. Linburg (P.M.) was released from confinement Cross in hawse starboard chain on top

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and foggy. Light breeze from S. E. by S. to S. E. by E. Barometer steady Elbow in hawse.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Overcast and pleasant Misty first two hours Lightening to N. W> last two hours. Light to gentle breeze from E. S. E. & N. E. At 5.00 Flag Ship made signal 2955 Answered. Cross in hawse starboard chain on top.

Signed C. B. T. Moore
Ensign

From 8 to Midnight. Overcast. Heavy showers of rain with thunder and lightening. Moderate breeze from East first part Lightening latter part from S. E. Barometer rising slowly. Cross in hawse starboard chain

Signed James K. Cogswell
Lieut.

Moon phase last qt Dec. S. 12°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay South America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			SE by E	SE	0-1	29.96	69	68	68		oplt	Cum Nimb	0	S		
2			E by N	SSE	0-1	29.98	68	68	68		oplt	"	0	"		
3			E by N	ENE	1	29.96	68	68	68		opl	"	0	"		
4			E by N	"	0-1	29.94	68	68	68		pofl	"	0	"		
5			E by S	"	1-2	29.95	68	68	68		"	"	0	"		
6			ESE	"	2	29.94	69	68	68		op	"	0	"		
7			"	"	2	29.94	67	67	67		"	"	0	"		
8			"	"	2	29.98	65	67	66		"	"	0	"		
9			E by S	East	2	29.98	66	66	66		op	"	0	"		
10			E by N	E by N	2	29.98	66	66	66		of	"	0	"		
11			"	"	2	29.98	66	67	67		"	"	0	"		
Noon.			NE by N	NE	2	29.98	66	67	67		"	"	0	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			ENE	East	2	29.95	67	68	68		of	Cum Nimb	0	S	
2			ESE	"	2	29.95	67	69	69		"	"	0	"	
3			"	"	2-3	29.93	67	69	69		"	"	0	"	
4			E by S	"	2-3	29.93	67	69	69		"	"	0	"	
5			"	"	3	29.93	67	69	69		bc	Cir Cum Nlmb	1	"	
6			"	"	3	29.90	67	68	68		"	"	7	"	
7			"	"	3	29.90	67	67	67		bcl	"	9	"	
8			East	ENE	3	29.90	67	67	67		"	"	8	"	
9			ENE	"	3	29.92	67	67	67		"	"	8	"	
10			NE by E	"	1-2	29.92	67	67	67		"	"	8	"	
11			"	"	1-2	29.92	67	67	67		"	"	8	"	
Mid.			"	"	1-2	29.92	67	67	67		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday April 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast with passing showers Thunder and lightening Foggy 2nd and last hour Light airs to light breeze varying from S.S.E. to N. E. Cross in hawse starboard chain on top.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Weather cloudy and foggy Light breeze from E. N. E. Barometer fluctuating Sea smooth. Elbow in hawse

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast and foggy. Light breeze from E shifting to S. E. Barometer steady At 9.30 exercised at fire quarters to me of casting loose 45 seconds. Secured in one minute five seconds Hove in starboard chain to 15 fathoms at waters edge and cleared hawse of an elbow Paul W. Shelly (Lds) was placed in single irons for being drunk on duty aboard ship by order of Comdg Officer Cross in hawse port chain on top.

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Weather cloudy and disagreeable Light to gentle breeze from E. Barometer falling slowly. Sea smooth At 1.50 made interrogatory. 6144 Flag Ship answered and made 904 Answered at 2.00 sent up top gallant masts At 3 Flag Ship made general signal 1984 Answered. Engaged in setting up head gear Carpenters at work on flying jib boom Cross in hawse

Signed W. G. Hannum
Midshipman

From 4 to 8 P.M. Cloudy first part Gentle breeze first part light latter part from East Barometer steady Fitted and rigged out new flying jib boom Lightening in horizon to the S. W. Hawse clear

Signed James K. Cogswell
Lieut

From 8 to Mid Clear and cool light airs from E. N. E. Barometer steady Sea smooth Cross in hawse

Signed W. G. Hannum
Midshipman

Moon's phase last qt Dir. S. 7°.

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay South America

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NE by N	NE by N	2	29.90	68	66	66		bc	Cir Cum	9	S	
2			"	"	4-6	29.90	68	66	66		"	"	4	"	
3			NE	N by E	4	29.89	68	66	66		o	Cum Nimb	0	"	
4			"	"		29.88	68	66	66		"	"	0	"	
5			"	"		29.90	68	67	66		"	"	0	"	
6			"	"		29.90	68	67	67		bc	"	1	"	
7			"	"		29.90	68	67	67		"	"	1	"	
8			"	"		29.90	68	67	67		"	"	1	"	
9			"	"		29.90	69	68	68		"	"	2	"	
10			"	"		29.90	68	71	70		"	"	2	"	
11			"	"		29.90	70	73	72		"	"	2	"	
Noon.			"	"		29.98	70	73	72		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1150 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			North	North	3	29.89	71	74	74		bc	Cum Nimb	1	S	
2			"	"	2	29.88	71	74	74		"	"	2	"	
3			"	"	2	29.86	71	74	74		"	"	1	"	
4			"	"	2	29.85	71	74	74		"	"	2	"	
5			N by E	SSE	2	29.85	71	73	72		o	"	0	"	
6			NE by E	"	2	29.85	71	72	72		ol	"	0	"	
7			NE	"	2	29.85	71	72	72		"	"	0	"	
8			"	NE	2-4	29.83	71	72	71		oqrl	"	0	"	
9			North	North	3-6	29.82	71	71	71		"	"	0	"	
10			"	"	3-6	29.82	71	71	71		"	"	0	"	
11			N by W	"	3-6	29.82	71	71	71		bcqr	"	2	"	
Mid.			NW	"	3-6	29.82	71	71	71		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday April 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part overcast last two hours. Light breeze from N. E. by E. first part increasing to fresh breeze during middle part of watch afterwards light Barometer falling slowly Cross in hawse port chain on top

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy and cool. Gentle Northerly breeze Cum Nimb clouds. At 7.30 Flag Ship made general signal 3350 Answered Cross in hawse port chain on top French barque got underway and stood out

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy and pleasant Light to gentle breeze from N. Barometer steady Sea smooth Cross in hawse

Signed W. G. Hannum
Midshipman

From Merid. to 4 P.M. Cloudy and pleasant Light Northerly breeze Cum Nimb clouds Received in Pay Department 160 lbs fresh beef and 160 lbs vegetables Cross in hawse port chain on top

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Weather cloudy, squally and raining last hour. Light breeze N. N. E. and N. E. Barometer falling slowly Sea smooth Thunder and lightening around W. and S. E. in horizon Crossing hawse

Signed W. G. Hannum
Midshipman

From 8 to Midnight. Overcast. Rainy. Squally moderate breeze with very fresh gusts from N. Cum Nimb clouds Cross in hawse port chain on top

Signed Saml C. Lemly
Ensign

Moon's phase last qt Dir. S. 2°.

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

		WINDS.				BAROMETER.		TEMPERATURE.			State of the Weather by symbols.		Forms of Clouds, by symbols.		Prop. of Clear Sky, in faths.		State of the Sea.		Record of the sail the vessel is under at end of watch.			
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.											
A.M.																						
1			NW by W	NW	2-3		29.84	78	68	68		opl	Nimb	0	S							
2			SW by W	"	2-3		29.83	70	67	67		"	"	0	"							
3			W by S	West	2-3		29.83	68	67	67		ol	"	0	"							
4			S W	"	2-3		29.83	68	67	67		opl	"	0	"							
5			WNW	SW	3		29.82	67	66	66		"	"	0	"							
6			WSW	"	4		29.85	67	67	66		op	"	0	"							
7			SW by S	"	4		29.85	64	65	65		ocl	"	0	"							
8			S by W	SW by S	4		29.84	64	64	65		"	"	0	"							
9			SW by S	"	4		29.86	65	64	65		"	"	0	M							
10			S by W	"	4		29.86	65	65	65		"	"	0	"							
11			SSW	"	4		29.85	65	64	65		o	"	0	"							
Noon.			SW by S	"	4		29.85	65	64	64		"	"	0	"							
Distance run by Log since preceding Noon											knots		fathoms.									
Latitude by D. R. at Noon											o			"								
Longitude by D. R. at Noon											o			"								
Latitude by Observations at Noon ☉											o			"								
Longitude by Chronometer from Forenoon Observations ☉											o			"								
Current during the time											knots		fms. per hour, setting to the									
Variation of the Compass by Amplitude ☉ observed at Sunrise											o		"	"								
Variation of the Compass by Azimuth ☉ observed at											o		"	"								
Water expended during the preceding 24 hours											350 gallons.											
Water											during the preceding 24 hours											
Water remaining on hand fit for me at Noon											750 "											
Coal consumed during the preceding 24 hours											tons		lbs.									
Coal remaining on hand at Noon											"		"									
P.M.																						
1			SW by S	SW by S	4		29.84	65	64	64	64	o	Nimb	0	M							
2			"	"	4		29.84	64	63	63		"	"	0	"							
3			SW	SW	4		29.85	64	63	63		"	"	0	"							
4			SW by W	"	4		29.84	63	64	64		"	"	0	"							
5			SW	"	4-5		29.83	63	63	63		or	"	0	"							
6			SW by S	"	4-5		29.83	63	63	63		"	"	0	R							
7			SSW	SW by S	4-6		29.81	63	63	62		"	"	0	"							
8			"	"	4-6		29.81	65	63	62		"	"	0	"							
9			S by W	S by W	4-7		29.85	65	64	64		"	"	0	"							
10			"	"	4-5		29.86	65	63	63		"	"	0	"							
11			"	"	4-6		29.86	65	63	63		op	Cum Nimb	0	"							
Mid.			SSW	"	3-5		29.86	65	63	63		"	"	0	"							
Longitude by Chronometer from Afternoon Observations ☉											o			"								
Longitude by Chronometer Observations											*		o			"						
Variation of the Compass by Amplitude											observed at Sunset		o			"						
Variation of the Compass by											at		o			"						

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday April 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and threatening raining last two hours of watch Light to gentle breeze from N. W. shifting to W. Barometer steady Sea smooth Lightening around horizon Elbow in hawse

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Overcast passing showers first part drizzling rain last two hours. Lightening to S. W. first hour At 7.30 Flag Ship made general signal 3350. Cleared hawse. Open hawse.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Overcast. Drizzling rain. Moderate breeze from S. W. by S. Nimbus clouds. At 9.45 Comdg. Officer inspected ship and crew at quarters afterwards read prayers. By order of Comdg. Officer Paul Shelly (Lds) was released from confinement Clear hawse

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast and cool. Moderate breeze from S. W. by S and S. W. Clear hawse.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Overcast. Raining latter part of watch Moderate breeze with very fresh gusts from S. and W. Veered to 30 fathoms on starboard chain. Clear hawse

Signed Saml C. Lemly
Ensign

From 8 to Midnight. Overcast and cool Gentle to very fresh breeze from S. by W. decreasing during latter part Light passing showers last two hours. Open hawse

Signed C. B. T. Moore
Ensign

Moon's phase last qt Dir. N. 4°.

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

RECORD OF THE SAIL THE VESSEL IS UNDER AT END OF WATCH.														
Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.				
A.M.														
1			SSW	SSW	3	29.85	65	63	63		or	Nimb	0	R
2			S by W	South	1-7	29.86	63	62	62		"	"	0	"
3			South	"	2-7	29.87	64	62	62		"	"	0	"
4			"	"	2-7	29.87	64	62	62		"	"	0	"
5			S by E	"	5-6	29.90	63	62	62		"	"	7	"
6			South	"	5-6	29.89	63	62	62		"	"	0	"
7			"	"	5-6	29.91	63	62	62		o	"	0	"
8			S by E	"	5-6	29.92	63	61	61		or	Cum Nimb	0	"
9			South	"	5-7	29.95	63	62	62		op	"	0	"
10			"	"	5-6	29.97	63	63	63		bc	"	2	"
11			S by E	"	5-7	29.96	63	62	62		op	"	0	"
Noon.			"	"	5-8	29.98	63	62	62		"	"	0	"
Distance run by Log since preceding Noon														
										knots	fathoms.			
Latitude by D. R. at Noon										o	"			
Longitude by D. R. at Noon										o	"			
Latitude by Observations at Noon										o	"			
Longitude by Chronometer from Forenoon Observations										o	"			
Current during the time														
knots										fms. per hour, setting to the				
Variation of the Compass by Amplitude										o	"			
observed at Sunrise														
Variation of the Compass by Azimuth										o	"			
observed at														
Water expended during the preceding 24 hours										350 gallons.				
Water										during the preceding 24 hours				
										500				
Water remaining on hand fit for me at Noon										"				
Coal consumed during the preceding 24 hours										tons	lbs.			
Coal remaining on hand at Noon										"	"			
P.M.														
1			S by E	SSE	6-8	29.96	63	61	62		opq	Cum Nimb	0	R
2			SSE	"	6-8	29.98	63	61	62		"	"	0	"
3			S by E	S by E	6-7	29.98	63	61	62		"	"	0	"
4			SSE	SSE	6-8	29.98	63	61	62		"	"	0	"
5			"	"	6-8	29.99	62	62	62		"	"	0	"
6			"	"	6-8	29.99	62	62	62		"	"	0	"
7			"	"	5-8	30.05	62	62	62		"	"	0	"
8			SE	SE by S	6-8	30.05	62	62	62		op	"	0	"
9			SSE	"	6-8	30.03	63	61	61		bc	"	0	"
10			"	SSE	6-8	30.05	63	61	61		"	"	2	"
11			"	"	6-8	30.03	63	61	61		"	"	7	"
Mid.			"	"	6-8	30.03	63	61	61		"	"	7	"
Longitude by Chronometer from Afternoon Observations										o	"			
Longitude by Chronometer Observations										*	"			
Variation of the Compass by Amplitude										o	"			
Variation of the Compass by										at	"			

under the command of Commander W. Scott Schley, U. S. Navy.
Monday April 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and rainy. Blowing moderate pampero from South. Sea rough. Clear hawse.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and raining. Stiff to fresh breeze from S. Sea rough. Barometer rising slowly. Nimbus clouds. A succession of thick squalls from S. E. with rain. At daylight sighted an English gun vessel at anchor having arrived during the night. Hawse clear.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Overcast. Stiff breeze to moderate gale from S. blowing in squalls. Frequent passing showers. Sea rough At 9.30 inspected at quarters. Rigged in flying jib boom. Engaged in setting jib guys. Clear hawse.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast. Stiff breeze from S. to S. S. E. blowing a moderate gale in squalls with rain. Sea rough Barometer steady. Engaged in fitting jib guys. Hawse clear.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Passing showers. Stiff breeze to moderate gale from S. S. E. and S. E. by S. blowing in squalls. At 4.55 Flag Ship made prep signal 6140 and at 5 general signal 6140 Answered. Sent down top gallant masts Veered to 40 fathoms on both chains Clear hawse

Signed C. B. T. Moore
Ensign

From 8 to Midnight. Weather cloudy. Blowing a moderate gale from S. E. occasional strong squalls. Sea running high. Barometer steady Weather clearing Hawse clear

Signed James K. Cogswell
Lieut

Moon phase last qt Dec. S. 9 °

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		S by E	SSE	6-8	30.08	62	62	62		bc	Cum	9	R			
2		"	"	6-8	30.08	62	62	61		"	Cum Nimb	9	"			
3		"	"	6-8	30.10	62	62	61		"	"	4	"			
4		SSE	"	6-8	30.10	62	62	61		"	"	5	"			
5		"	"	5-7	30.12	62	63	62		"	"	4	"			
6		"	"	5-7	30.12	62	63	62		"	"	4	"			
7		SE by S	SE by S	5-6	30.14	62	62	61		"	"	4	M			
8		SE	SE	5-6	30.15	62	62	61		"	"	5	"			
9		"	"	5-6	30.19	62	63	61		"	"	6	"			
10		"	"	4-5	30.19	62	63	62		"	"	5	"			
11		SE by S	"	4-5	30.20	62	63	62		"	"	5	"			
Noon.		"	"	4-5	30.20	62	63	62		"	"	5	"			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon 8	°	'	"
Longitude by Chronometer from Forenoon Observations 8	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude 8 observed at Sunrise	°	"	"
Variation of the Compass by Azimuth 8 observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	2500 "
Water remaining on hand fit for me at Noon			450 "
Coal consumed during the preceding 24 hours			
Coal remaining on hand at Noon	tons		lbs.
	"	"	"

P.M											
1	SE	SE	4-5	30.20	63	62	62	bcq	Cum Nimb	5	M
2	"	"	4-5	30.20	63	62	62	"	"	4	"
3	SE by S	"	4-5	30.20	63	62	62	"	"	4	"
4	"	"	4-5	30.20	63	62	62	"	"	4	"
5	"	"	4-5	30.20	63	62	62	"	"	4	"
6	"	"	4-5	30.18	64	62	61	"	Cir Cum Nimb	1	"
7	SE	"	3-4	30.18	64	62	61	bc	"	4	"
8	SE by S	"	4-5	30.20	64	62	61	bcqr	"	4	"
9	SSE	"	4-5	30.20	64	61	61	"	"	2	"
10	SE	"	4-5	30.21	64	61	61	"	"	4	"
11	ESE	"	4-5	30.21	64	61	61	"	"	3	"
Mid.	SE	"	4-5	30.21	64	61	61	"	"	5	"

Longitude by Chronometer from Afternoon Observations 8	0	1	2
Longitude by Chronometer Observations	0	1	2
Variation of the Compass by Amplitude	0	1	2
Variation of the Compass by	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday April 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first hour cloudy remainder of watch. Fresh to moderate gale from S. S. E. blowing in squalls. Sea rough. Barometer rising. Clear hawse

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Partially cloudy Cool fresh breeze with fresh puffs from S. S. E. and S. E. Sea and wind moderating latter part of watch. Barometer rising Rough sea first part of watch setting to N. N. E. At 7.30 Flag Ship made general signal 3350 Answered. At 7.50 Flag Ship made prep. Signal 6144 Answered At 7.55 6144 Answered Sent up top gallant masts & crossed top gallant yards. Clear hawse

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy and pleasant. Moderate breeze from S. E. increasing to stiff breeze in puffs. Barometer steady last two hours. Sea moderate At 9.45 inspected at quarters exercised at company drill & dress parade At 10.20 Flag Ship made prep signal 5450 Answered. Loosed sail at 10.30. Flag Ship afterwards made general signal 2371. Answered. Hove in to 30 fathoms on both chains. Hawse clear.

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy and cool Moderate breeze from S. E. Barometer steady Moderate sea setting to N. N. E. At 2.15 Flag Ship made prep signal 4826 Answered. At 2.30 4826 Answered and furled sail Received on board in Equipment Dept. 75 grate bars for galley. In Construction Dept. 3 patent and 3 box rowlocks. 2500 galls fresh water Engaged in refitting and setting up head gear. Clear hawse

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy and squally. Moderate to stiff breeze from S. E. blowing in puffs. Sea moderate. Bent the jib. At 4.10 Flag Ship made general signal 2984. Answered At 5 Flag Ship made prep signal 6143. Answered. At sunset sent down top gallant masts Hawse clear.

Signed James K. Cogswell
Lieut

From 8 to Mid. Partially cloudy and cool. Moderate breeze with strong puffs from S. E. decreasing during latter part of watch Barometer steady Moderate sea setting to N. N. E. Clear hawse

Signed C. K. Curtis
Lieut

Moon phase last qt Dec. N. 14 °

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay South America

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			SE	SE	2-4	30.17	64	62	61	or	Cum Nimb			
2			SE by E	E by S	2-4	30.17	64	62	61	oc	"			
3			ESE	"	2	30.18	64	62	61	"	"			
4			ENE	E by N	2	30.18	64	62	61	"	"			
5			ESE	East	2	30.18	64	62	61	"	"			
6			"	"	2	30.20	60	60	60	"	"			
7			East	"	2	30.24	64	61	61	"	"			
8			E by S	"	1	30.23	62	61	61	"	"			
9			ESE	"	2	30.23	62	63	62	"	"			
10			"	"	2-3	30.24	62	63	62	"	"			
11			SE by S	ESE	2-3	30.24	62	63	62	"	"			
Noon.			"	"	2-3	30.24	62	63	62	"	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ☉	°	' "
Longitude by Chronometer from Forenoon Observations ☉	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water Received during the preceding 24 hours		350 "
Water remaining on hand fit for me at Noon		2100 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.														
1	East	East	3	30.23	62	64	63	bc	Cum	5	S			
2	"	"	3	30.23	62	64	63	"	"	4	"			
3	"	"	3	30.23	62	64	63	"	"	4	"			
4	"	"	3	30.23	62	64	63	"	"	3	"			
5	"	"	3	30.23	61	64	63	"	"	2	"			
6	"	"	2 3	30.20	62	61	61	"	"	1	"			
7	SE by S	"	2	30.20	65	61	61	"	"	2	"			
8	SE by E	"	2	30.20	65	61	61	bcp	"	1	"			
9	"	"	2	30.10	65	61	61	bcr	"	2	"			
10	"	"	2	30.10	65	61	61	bcp	"	2	"			
11	"	"	2	30.12	65	61	61	bc	"	2	"			
Mid.	"	"	2	30.13	65	61	61	"	"	4	"			

Longitude by Chronometer from Afternoon Observations ☉	°	' "
Longitude by Chronometer Observations *	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday May 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool. Blowing squalls first hour of watch Light breeze from E. by N. last hour. Barometer steady Cross in hawse port chain on top

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy and pleasant. Light breeze from E. At sunrise battery on shore fired a salute of 21 guns. Followed motions of Flag Ship in exchanging colors with Italian gunboat which came down the river & anchored. Clear hawse

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy and pleasant light to gentle breeze from E and E.S.E. Barometer rising slowly. Sea smooth. At 11.30 inspected at quarters At 9.40 Flag Ship sends prep. 4397. Answered. Exercised sending up and down light yards At 10, Flag Ship made general signal 3094. Answered. Received on board following medical stores Canthidis tincture 2 oz. 2 oz. of hydrarg piluler. 1 lb hydrarg ungent. 1 oz Jodirum. 1/2 lb Potassa Cloras. 4lb. Sapo. 1 oz Tigler. Oleum. 1 oz Zinci sulphas. 3 doz. Assorted vials 5 yds oiled silk. 8 oz Cubebars oleum. 1 oz Jinci acetas 5 yds flannel 4 oz Chloralhydras. 4 lbs. Adipis uratum 1 lb. Ammoniae aqua. 1 lb. Chloroform purify 2 lb. Sinapis pulvis 8 lb. Magnesia sulphate 1/4 lb Magnesia 1 lb Glycerina In Equipment Dept 300 galls fresh water Clear hawse

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Partially cloudy but pleasant Wind light from E. Sea smooth Barometer steady At 12.30 made interrogatory 3357. Flag Ship answered 904. At 1 made interrog[atory]. Signal 6183 Flag Ship answered 904 Hove up stb. anchor and hove in to 20 fathoms on port chain At 2.45 Flag Ship made genral signal 2084 Answered Slushed spars and oiled hide [illegible]. Received in Pay Dept for use of crew 160 lbs fresh beef and 160 lbs vegetables

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy but cool Light breeze from E. Barometer falling slowly Sea smooth At 5, Flag Ship made prep 6068. Answered. At 5.15 6068. Answered and sent down light yards.

Signed C. K. Curtis
Lieut

From 8 to Midnight. Cloudy and rainy Sight airs from E. Clearing up last hour.

Signed Saml. C. Lemly
Ensign

Moon phase last qt. Dec. S. 19°

Signed Asa Walker, Lieut.
Navigator.

Examined and found to be correct

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S A

Hour.	Knots.	Fathoms.	WINDS.		Force.	Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
			Direction.				Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.							
A.M.																		
1			ENE	ENE	1-2		30.23	65	61	61	bc	Cum Nimb	2	S				
2			ESE	Calm	0		30.23	65	62	62	"	"	2	"				
3			NNE	"	0		30.23	65	62	61	"	"	1	"				
4			N by E	"	0		30.22	64	62	61	"	"	2	"				
5			North	"	0		30.23	64	62	61	"	"	5	"				
6			N by E	"	0		30.24	64	60	60	"	"	3	"				
7			NNE	WNW	0		30.25	64	60	60	"	"	4	"				
8			"	NW	0-1		30.25	64	61	61	"	Cir Cum	2	"				
9			SE	SW	0		30.28	64	62	62	"	"	2	"				
10			"	"	8		30.28	64	63	62	"	"	2	"				
11			"	"	0		30.28	64	63	62	"	"	2	"				
Noon.			SSE	SW by W	0		30.26	64	63	62	"	"	3	"				
Distance run by Log since preceding Noon											knots	fathoms.						
Latitude by D. R. at Noon											°	'	"					
Longitude by D. R. at Noon											°	'	"					
Latitude by Observations at Noon											°	'	"					
Longitude by Chronometer from Forenoon Observations											°	'	"					
Current during the time											knots	fms. per hour, setting to the						
Variation of the Compass by Amplitude											°	"	"					
Variation of the Compass by Azimuth											°	"	"					
Water expended during the preceding 24 hours											350 gallons.							
Water during the preceding 24 hours											"							
Water remaining on hand fit for me at Noon											750 "							
Coal consumed during the preceding 24 hours											tons	lbs.						
Coal remaining on hand at Noon											"	"						
P.M.																		
1			SSW	SSW	2		30.24	64	64	64	bc	Cir Cum	6	S				
2			SW by S	"	2		30.24	64	65	64	"	"	7	"				
3			SW	"	3		30.23	64	65	64	"	"	6	"				
4			"	"	3		30.25	65	64	64	"	"	8	"				
5			South	South	2		30.25	65	64	64	"	"	8	"				
6			"	SE	1		30.24	64	63	61	"	"	8	"				
7			"	"	1		30.24	64	62	61	"	"	8	"				
8			E by N	ESE	1		30.24	64	62	61	"	"	8	"				
9			"	North	0-1		30.25	65	61	61	"	"	9	"				
10			E by S	"	1		30.25	65	60	60	"	"	10	"				
11			SE	"	2		30.25	65	60	60	"	"	10	"				
Mid.			SSW	NW	2		30.25	65	60	61	"	"	10	"				
Longitude by Chronometer from Afternoon Observations											°	'	"					
Longitude by Chronometer Observations											*	°	'	"				
Variation of the Compass by Amplitude											observed at Sunset					°	'	"
Variation of the Compass by											at					°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday May 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and cloudy Light airs from E. N. E. first hour Calm
remainder of watch Barometer steady. Sea Smooth

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy and pleasant. Calm first two hours Light airs from N. N. W. and N. W.
last two At 7.30 Flag Ship made general signal 3350. At 7.45 Flag Ship made prep signal 5450.
Answered At 7.55 she made general signal 5459 At 8. Crossed top gallant yards and loosed sail

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and pleasant. Light airs from S. W. At 8.50 made interrog[atory]
signal 4560 Flag Ship answered 904. Fires in 8 boilers at 9. At 10 made interrog signal 4826.
Flag Ship answered 904. Furled sail Barometer steady. Sea smooth. Cir Cum clouds. Received
in Pay Dept. 160 lbs fresh beef and 160 lbs vegetables. An English Gunboat got underway and
went to sea. Engaged in making preparations to get underway

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant Light to gentle breeze from S. S. W. At 12.30 made
telegraphic signal to Flag Ship 8935. 6746. 1260. 87. 9409. 4578. 9319. 302 3999. 5468. 9794.
7020. 1653. 6155. 3108. 5468. 0904. 7836. 9282. 5468. 2984. 3120. 6918. At 2.15 Flag Ship
made telegraphic signal 4892. 4060. 3854. 4794. 1653. 6322. 7836. At 3.50 hauled fires in No.
1-3-5-6-7-8 boilers. Banked fires No 2 & 4.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant with light variable airs. Lowered smoke stack. Fires banked
in two boilers Average steam pressure 12 lbs.

Signed James C. Lemly
Ensign

From 8 to Midnight. Clear cool and pleasant. Light airs to light breeze from N. and N. W.
Barometer steady. Fires banked in two boilers

Signed C. B. T. Moore
Ensign

Moon phase 1st qt Dec. N. 22 °

Signed Asa Walker, Lieut.
Navigator.

Examined and found to be correct

		WINDS.				BAROMETER.		TEMPERATURE.			State of the Weather by symbols.		Forms of Clouds, by symbols.		Prop. of Clear Sky, in fths.		State of the Sea.		Record of the sail the vessel is under at end of watch.				
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.												
A.M.																							
1			WSW	WNW	2		30.24	64	58	58		bc	Cir Cum	8	S								
2			NW by W	NW by W	2		30.25	64	58	58		"	"	8	"								
3			NW	Calm	2		30.24	63	58	58		"	"	9	"								
4			"	"	0		30.23	62	58	58		"	"	9	"								
5			NNW	North	1		30.25	62	54	54		"	Cum Str	10	"								
6			"	NNW	1		30.25	62	54	54		"	Cir Cum	8	"								
7			"	"	1		30.25	60	54	54		"	"	6	"								
8			"	"	1		30.25	60	54	54		"	"	3	"								
9			NNE	NW	2		30.28	60	58	58		"	Cum Nimb	9	"								
10			NE	"	2		30.29	61	61	61		"	"	2	"								
11			SW by W	"	2		30.29	62	63	63		"	"	2	"								
Noon.			SSW	West	2		30.28	63	64	64		"	"	3	"								
Distance run by Log since preceding Noon												knots		fathoms.									
Latitude by D. R. at Noon												o		'	"								
Longitude by D. R. at Noon												o		'	"								
Latitude by Observations at Noon ☉												o		'	"								
Longitude by Chronometer from Forenoon Observations ☉												o		'	"								
Current during the time												knots		fms. per hour, setting to the									
Variation of the Compass by Amplitude ☉ observed at Sunrise												o		"	"								
Variation of the Compass by Azimuth ☉ observed at												o		"	"								
Water expended during the preceding 24 hours												350 gallons.											
Water												during the preceding 24 hours											
Water remaining on hand fit for me at Noon												1750 "											
Coal consumed during the preceding 24 hours												tons		lbs.									
Coal remaining on hand at Noon												"		"									
P.M.																							
1			SW	SW	1		30.28	63	64	64		bc	Cum Nimb	5	S								
2			W	"	1		30.26	64	64	64		"	"	5	"								
3			WNW	"	1		30.25	65	65	65		"	"	4	"								
4			W by S	"	1		30.25	65	65	65		"	"	3	"								
5			WNW	Calm	0		30.24	65	65	65		"	"	4	"								
6			West	"	0		30.23	66	65	65		"	Cir Cum	2	"								
7			NNW	"	0		30.23	67	65	65		"	"	9	"								
8			NW	"	0		30.25	67	65	65		"	"	8	"								
9			"	"	0		30.25	67	65	65		"	"	9	"								
10			"	"	0		30.23	67	66	66		"	"	10	"								
11			"	"	0		30.23	66	66	66		"	"	10	"								
Mid.			"	"	0		30.23	66	66	67		"	"	10	"								
Longitude by Chronometer from Afternoon Observations ☉												o		'	"								
Longitude by Chronometer Observations												*		o		'		"					
Variation of the Compass by Amplitude												observed at Sunset											
Variation of the Compass by												at		o		'		"					

under the command of Commander W. Scott Schley, U. S. Navy.
Friday May 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant with light variable airs Fires banked in two boilers Average steam pressure 15 lbs.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant Light airs from N.N.W. At 7.50 made interrog[atory]. Signal 5455. Flag Ship answered 904. At 8 loosed sail Fires banked in two boilers

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and pleasant Light to gentle breeze from N.W. & W. At 9.30 exercised at fire quarters At 9.40 made introg. Signal to Flag Ship 6222. Flag Ship answered 904. Scraped spars. At 10.45 a small Italian Gunboat came in and anchored. At 9.50 Flag Ship made general signal 1797. Answered. At 9.55 made signal to Flag Ship 3873. At 11.25 Flag Ship made prep signal 4826 and at 11.40 gen signal 4826. At 11.40 furled sail Fires banked in two boilers Board of Survey composed of Lts. Houston and Wood and Boatswain Anderson came on board to survey running rigging.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Light airs from S. W. At 3 Flag Ship made general signal 2984. Answered. Fires banked in two boilers

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy first part. Clear last two hours. Calm. Fires banked in two boiler

Signed C. B. T. Moore
Ensign

From 8 to Mid. Clear and pleasant. Calm Fires banked in two boilers Held a theatrical entertainment on board at which a number of visitors from shore and other ships in harbor were in attendance

Signed James K. Cogswell
Lieut

Moon phase 1st qt Dec. N. 25 °

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

RECORD OF THE SAIL THE VESSEL IS UNDER AT END OF WATCH.															
		WINDS.			BAROMETER.		TEMPERATURE.								
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.
A.M.															
1			WNW	North	1		30.29	65	66	66		bc	Cir Cum	10	S
2			NW by N	"	1		30.27	65	62	62		"	"	10	"
3			NNW	NW	1		30.27	64	66	60		"	"	10	"
4			"	"	2		30.24	64	59	59		"	"	9	"
5			N by W	N by W	2		30.22	63	58	58		"	"	9	"
6			"	"	2		30.22	62	57	56		"	"	9	"
7			"	"	2		30.23	62	55	54		"	"	9	"
8			"	"	2		30.23	60	55	55		"	"	9	"
9			North	NNW	2		30.24	61	59	58		"	"	9	"
10			"	"	2		30.25	61	61	61		"	"	9	"
11			"	N by W	2		30.24	63	64	62		"	"	9	"
Noon.			"	"	2		30.24	65	67	65		"	"	9	"
Distance run by Log since preceding Noon										knots	fathoms.				
Latitude by D. R. at Noon										°	'				
Longitude by D. R. at Noon										°	'				
Latitude by Observations at Noon										°	'				
Longitude by Chronometer from Forenoon Observations										°	'				
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude										°	"				
Variation of the Compass by Azimuth										°	"				
Water expended during the preceding 24 hours										350 gallons.					
Water										during the preceding 24 hours					
Water remaining on hand fit for me at Noon										1450					
Coal consumed during the preceding 24 hours										tons	lbs.				
Coal remaining on hand at Noon										"	"				
P.M.															
1			NW	NNW	3		30.20	67	67	67		bc	Cum	8	S
2			NW by N	"	3		30.18	68	70	68		"	"	8	"
3			NNW	"	3		30.18	68	71	68		"	"	8	"
4			"	"	3		30.18	68	71	68		"	"	9	"
5			North	North	3		30.18	68	71	69		"	"	9	"
6			"	"	3		30.17	68	67	66		"	Cir Cum	10	"
7			NNE	N by E	2		30.17	65	66	66		"	"	10	"
8			"	NNE	2		30.17	64	63	62		"	"	10	"
9			"	"	2		30.18	63	61	60		"	"	9	"
10			NE by N	"	3-4		30.18	63	60	60		"	"	9	"
11			NNE	"	3-4		30.18	63	60	60		"	"	9	"
Mid.			"	"	3-4		30.18	63	59	59		"	"	9	"
Longitude by Chronometer from Afternoon Observations										°	'				
Longitude by Chronometer Observations										*	°				
Variation of the Compass by Amplitude										observed at Sunset					
Variation of the Compass by										at	°				

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday May 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Light airs to light breeze from N. and N.W. Fires banked in two boilers Confined Richard Jones to berth deck until sober by order of Comdg. Officer for being drunk.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and cool Light breeze from N. by W. Barometer steady Sea smooth
Fires banked in two boilers At 7.30 Flag Ship made signal 3350. Answered

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear and pleasant Light to gentle breeze from N & W. Barometer steady
last two hours. Sent a liberty party ashore Fires banked in two boilers

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Clear and pleasant. Gentle breeze from N. N. W. Barometer falling Sea
smooth. At 1 a Brazilian Ironclad got underway and left the harbor. Sent liberty party ashore.
Fires banked in two boilers

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear and pleasant Light breeze from N. first two hours and from N. by E. last
two hours of watch. Steam up for pressure truing the boilers.

Signed James K. Cogswell
Lieut

From 8 to Mid. Clear and cool Gentle breeze from N. E. increasing latter part of watch
Barometer steady. Sea smooth.

Signed C. K. Curtis
Lieut

Moon phase 1st qt. Dec. N. 29°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Montevideo Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A.M.															
1			NE by N	NE by N	4		30.14	61	59	58		bc	None	10	S
2			"	"	4		30.14	60	58	57		"	"	10	"
3			NE by E	NE by E	3		30.13	60	57	56		"	"	10	"
4			"	"	3		30.12	60	56	56		"	"	10	"
5			North	"	2		30.12	60	57	56		"	Cum	9	"
6			NW	"	2		30.14	60	57	56		"	"	9	"
7			"	North	1-2		30.14	58	57	56		"	"	9	"
8			W by N	"	3		30.20	63	59	58		"	"	9	"
9			N by E	NNW	2-3		30.19	61	60	60		"	"	9	"
10			"	"	3		30.19	62	64	63		"	"	9	"
11			North	"	3		30.19	63	66	65		"	"	9	"
Noon			"	"	3		30.19	63	68	67		"	"	9	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 350 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1150 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			NE	North	3		30.18	67	70	69	bc	Cir Cum	8	S
2			"	"	2		30.18	68	72	70	"	"	8	"
3			NE	NNW	2		30.16	68	72	70	"	"	8	"
4			NNW	"	1-2		30.14	68	72	70	"	"	8	"
5			North	NW	1-2		30.13	66	70	68	"	"	8	"
6			"	"	1-2		30.13	66	68	67	"	"	8	"
7			"	"	1-2		30.13	64	65	65	"	"	8	"
8			NNE	North	1-2		30.13	63	65	65	"	"	8	"
9			E by N	"	2		30.13	64	63	62	"	"	8	"
10			SE	"	2		30.13	63	62	62	"	"	8	"
11			"	NNE	2		30.13	63	62	62	"	"	8	"
Mid.			"	"	2		30.13	63	62	62	"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday May 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Gentle breeze first part from N. E. by N. Light breeze latter part from N. by E. Barometer falling slowly Fires banked in two boilers

Signed James K. Cogswell
Lt.

From 4 to 8 A.M. Clear and pleasant Wind light from N. Barometer rising slowly. An English steamer (S & N) went to sea. Fires banked in two boilers Average steam pressure 20 lbs. At 7.30 Hartford made general signal 3350.

Signed James C. Lemly
Ensign

From 8 A. M. to Merid. Clear and pleasant Gentle breeze from N. N. W. Barometer steady Sea smooth. At 9.30 held a preliminary inspection Immediately after inspected Divisions at quarters Sent liberty party on shore Fires banked in two boilers

Signed C. K. Curtis
Lt.

From Merid. to 4 P.M. Clear and pleasant with light wind from N. veering to N. N. W. By order of Comdg. Officer placed John W. Green (Lds) in confinement for safe keeping he being under the influence of liquor. Barometer falling slowly Fires banked in two boilers Average steam pressure 20 lbs.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear and pleasant Light airs from N. E. Barometer steady Sea smooth At 5 Flag Ship made general signal 2985 Answered Started distiller at 5. Fires banked in two boilers Average steam pressure 15 lbs.

Signed C. K. Curtis
Lt.

From 8 to Mid. Clear and cool Gentle breeze from N. E. increasing latter part of watch Barometer steady. Sea smooth.

Signed C. K. Curtis
Lt.

Moon phase 1st qt Dec. N. 29°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1			W by S	NNE	0-1		30.13	60	61	61		bc	Cir Cum	9 S
2			NW	"	0-1		30.13	60	60	60		"	"	9 "
3			"	"	1-2		30.12	59	59	59		"	"	9 "
4			"	"	2		30.12	59	59	59		"	"	9 "
5			NNW	"	2		30.12	59	57	57		"	"	7 "
6			North	North	2		30.12	50	57	57		"	"	2 "
7			"	N by W	2		30.12	59	57	57		"	"	2 "
8			N by W	"	2		30.13	60	58	58		"	"	4 "
9			"	"	2		30.15	61	62	62		"	"	3 "
10			NW	WNW	2		30.16	63	63	63		"	"	3 "
11			SSW	"	1		30.16	64	64	64		"	"	3 "
Noon.			"	"	1		30.15	65	67	66		"	"	3 "

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours 1800 "

Water remaining on hand fit for me at Noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			SSE	NW	2		30.14	67	69	69		bc	Cir Cum Nimb	3 S
2			South	NNW	2		30.12	67	70	69		"	"	1 "
3			West	"	2		30.12	67	71	70		"	"	2 "
4			NNW	"	1		30.10	69	72	71		"	"	3 "
5			"	"	1		30.08	69	69	68		"	"	3 "
6			W by N	Calm	0		30.04	68	68	69		"	"	3 "
7			North	North	0-1		30.04	67	66	65		"	"	3 "
8			NNE	"	0-1		30.04	67	66	65		"	"	3 "
9			SE	Calm	0		30.04	67	66	65		"	"	7 "
10			SSE	NNE	0-1		30.05	65	65	65		"	"	6 "
11			SE by S	"	0-1		30.05	63	66	64		"	"	5 "
Mid.			South East	NW	0-1		30.05	63	63	63		"	"	6 "

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday May 6th, 1878

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light airs and light breeze from N. N. E.
Barometer falling slowly. Sea smooth Fires banked in two boilers. Distilling. Average steam
pressure 15 lbs.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy and cool. Pleasant light breeze from N. N. E. shifting to N. by W.
Patrick Duffy (A.S.) & Jns. W. Green (Lds) were released from confinement and W. H. Danforth
was placed in confinement until sober by order of Comdg Officer. Stopped distiller at 7.20. Fires
banked in two boilers. At 7.30 Flag Ship made signal 3350.

Signed C. B. T. Moore
Ensign

From 8 to Merid. Cloudy but pleasant Light airs from N. N. W & N. W. At 9.30 called all hands
clear ship for action At 10 inspected at quarters exercised 1st and 2nd Div. at great guns. By
order of Comdg Officer Herman Meyer was placed in solitary confinement for insolence to his
superior Officer – Jns. W. Green (Lds) for fighting and abuse had money and liberty stopped for
3 months. Edward Moran (A.S. 2nd C.) for lying and disobedience of orders was given two hours
on quarter deck. The following men were reported absent from the ship their leave having
expired viz E. Buckley (P.M.) J. Donovan (2CF) Thos. Kelly (C.T) Wm M. McCann (A.S) Henry
Garner (P.M.) J. W. Scott (A.S) Philip Hazard (A.S) & Wm J. Lindon (AS2C) Fires banked in two
boilers Average steam pressure 15 lbs A Royal mail steamer came in

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Light breeze to light airs from N.W. and N.N.W. At
3.30. Flag Ship made general signal 2984 Fires banked in two boilers

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Misty sky. Partially clouded. Light variable airs. By order of Comdr. Released
Wm. H. Danforth from confinement Thos. Kelly (C.T) W. J. Lindon (AS2C) Philip Hazard (A.S.)
J. Donovan (2CF) Jno. W. Scott A.S. and Wm M. McCann (AS) returned from liberty all over
time An Italian Steamer came in and anchored Fires banked in two boilers. Hoisted smoke pipe

Signed Saml. C. Lemly
Ensign

From 8 to Mid. Partially clouded. Misty Pleasant Calm and light airs from N. N. E. and N. W.
Fires banked in two boilers

Signed C. B. T. Moore
Ensign

Moon's phase 1st qt Dir. N. 26°.

Asa Walker
Lieut

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns.
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			ENE	NNE	2		30.02	63	62	62	bc	Cum	9	S	
2			ENE	"	2		29.99	63	62	61	"	"	9	"	
3			NNW	"	2		29.99	63	61	60	"	"	9	"	
4			"	"	2		29.99	63	60	60	"	"	9	"	
5			N by W	"	2		29.99	61	59	62	"	"	6	"	
6			North	N by W	2		30.00	61	60	62	"	"	1	"	
7			NNE	North	1		30.00	66	60	61	"	"	3	"	
8			North	"	1		30.00	66	61	62	"	"	6	"	
9			SSW	"	2		30.03	63	63	63	"	"	4	"	
10			"	NNW	2		30.02	66	66	66	"	"	4	"	
11			"	"	2		30.02	66	66	67	"	"	5	"	
Noon.			SSW	"	1		29.99	66	67	67	"	"	3	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2250 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"	"	

P.M.											
1	Exercising	North	1	29.98	67	68	68	bc	Cum	4	S
2	"	NNE	1	29.98	67	68	66	"	"	6	"
3	"	"	1	29.95	68	67	66	"	"	8	"
4	Standing in for Montevideo	"	1	29.95	69	69	68	"	"	8	"
5	At anchor N. by W.	East	1	29.93	66	68	67	"	"	7	"
6	"	"	1	29.91	66	68	67	"	"	8	"
7	"	"	1	29.90	65	66	66	"	"	9	"
8	North	"	2	29.92	65	66	66	"	"	9	"
9	N by W	Calm	1	29.90	66	64	64	"	None	10	"
10	ENE	"	1	29.90	66	66	63	"	"	10	"
11	SE	NE	1	29.90	66	66	62	"	"	10	"
Mid.	"	South	1	29.90	64	62	62	"	"	10	"

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot

Variation of the Compass by at \odot

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday May 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Light airs and light breeze from N. N. E. Fires banked in two boilers

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant Light breeze from N. N. W. first part light airs from North latter part. Barometer steady. At 7.30 Flag Ship made general signal 3350. Fires banked in 8 boilers.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and pleasant. Light breeze to light airs from N. and N. N. W. At 9.15 made interrog[atory]. Signal to Flag Ship 4890. Flag Ship answered and made 904. At 9.20 got underway and stood out of harbor. Steaming with 8 boilers At 9.50 called crew to quarters Admiral and staff came on board At 10.05 cleared ship for action. Then exercised at general quarters secured at 11.40 By order of Comdg Officer D. I. Downey (B.M.) was confined in double irons to await trial by Court Martial for attempting to smuggle liquor on board. Thos. C. Peutz (A.S.) and Jas. Gillespie (A.S.) were given 6 hours extra duty for throwing water into the cabin Steaming with 8 boilers Average steam pressure 70 lbs. Draught for'd 14 ft. Amidships 15 ft. Aft 16 ft.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Light airs from N. N. E. last two hours of watch Undergoing inspection by Admiral Nichols. Exercised at General quarters fire quarters torpedo drill & called away all boats armed and equipped Standing in for Montevideo latter part of watch with steam in 8 boilers Average steam pressure 60 lbs.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Light airs to light breeze from E. Steaming in for anchorage At 4.45 Admiral and staff left the ship. At 5 came to anchor with port anchor in 3 1/2 fathoms water 30 fathoms of chain. Bearing Mount S.W. by W. 1/2 N. Custom house N.E. by E. Draught for'd 14 ft Amidships 15 ft. Aft 16 ft. Hauled fires at 6.15.

Signed C. B. T. Moore
Ensign

From 8 to Midnight. Clear and cool. Calm first part. Light airs latter part of watch from N. E. shifting to North. Barometer steady

Signed James K. Cogswell
Lieut

Moon phase 1st qt Dec. N. 23°

Signed Asa Walker, Lieut.
Navigator.

Examined and found to be correct

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NE	NNE	2		29.85	61	61		bc	Cum	9	S		
2			E by S	"	2		29.84	59	59		"	"	9	"		
3			NE by N	"	2-4		29.83	60	59		"	Cum Nimb	6	"		
4			North	"	3		29.80	60	61	60		"	"	3		"
5			NNW	NNW	2		29.80	62	60	60		"	"	2		"
6			"	"	2		29.78	62	60	60		"	"	2		"
7			"	"	2		29.78	61	61	61		"	"	2		"
8			"	"	2		29.78	61	62	62		"	"	1	"	
9			NW by N	North	2		29.78	63	63	63		o	"	0	"	
10			N by W	"	2		29.78	64	65	64		"	"	0	"	
11			NNW	"	2		29.76	63	67	66		"	"	0	"	
Noon.			North	NNE	2		29.74	66	67	66		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon	°	" "
Longitude by Chronometer from Forenoon Observations	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude observed at Sunrise	°	" "
Variation of the Compass by Azimuth observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1900 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.												
1	SE by E	North	2	29.70	68	68	67	o	Cum Nimb	0	S	
2	E by S	"	3	29.68	67	69	68	"	"	0	"	
3	ESE	"	3	29.65	67	69	68	"	"	0	"	
4	East	"	3	29.65	69	70	68	"	"	3	"	
5	"	"	3	29.62	68	68	67	bc	"	4	"	
6	North	"	3	29.60	68	68	67	"	"	3	"	
7	"	"	3	29.58	68	67	66	"	"	1	"	
8	NE	NNE	3	29.56	67	66	65	"	"	2	"	
9	N	North	3-5	29.57	60	67	66	bcl	"	3	"	
10	SW	SW	6-7	29.57	61	61	62	"	"	0	M	
11	W	W	6-8	29.62	64	60	60	opse	"	0	"	
Mid.	SE	East	7-3	29.58	65	61	60	"	"	0	"	

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot

Variation of the Compass by at \odot

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday May 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part. Cloudy latter part. Cool. Light to moderate breeze from N.N.E. Sea smooth Barometer falling

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant Cool. Light breeze from N.N.W. Barometer falling Sea smooth At 7.30 Flag Ship made general signal 3350 Answered

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast and pleasant. Light breeze from N. shifting last hour to N.N.E. At 10.15 inspected at quarters. Carpenter's gang engaged in overhauling main fore pump. Barometer falling slowly By order of Comdg. Officer confined J. L. Kerry to the berth deck for insolence to the Boatswain

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy and pleasant Light and gentle breeze from N. Barometer falling. Sea smooth At 1 Flag Ship made general signal 2983 At 2.45 made interrog[atory]. Signal 4401 Flag Ship answered 904. At 3 exercised at bending and unbending top sails

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy and pleasant. Gentle breeze from N. first three hours increasing last hour to stiff breeze From N.N.E. Barometer falling slowly. Lightening in horizon to W.N.W. latter part of watch At 5 made interrog signal 4881 Flag Ship answered 904 At sunset mustered at quarters & served out clean hammocks.

Signed James K. Cogswell
Lieut

From 8 to Mid. Weather cloudy and threatening first hour. Indications for pampero. Falling barometer and lightening around horizon to S & W. peculiar appearance of sky. Wind moderate first hour from N. At 9.45 wind suddenly shifted to S.W. blowing a pampero accompanied with violent airs thunder & lightening veered to 60 fathoms on port chain. Let go starboard anchor and veered to 15 fathoms at waters edge At 11 wind shifted to W. decreased blowing in light squalls rain continuing Barometer rising. Moderate sea setting to N.E.

Signed Clinton K. Curtis
Lieut

Moon phase 1st qt Dec. N. 19°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			SSE	SE		29.58	68	59	59		oqr	Cum Nimb	0	R	
2			S by W	SW		29.58	65	59	59		bcq	"	8	"	
3			WSW	"		29.56	64	60	60		bclq	"	8	"	
4			WW by S	W by S		29.50	64	60	59		"	"	9	"	
5			WSW	WSW		29.56	62	60	59		bcq	"	9	"	
6			"	"		29.57	61	59	58		"	"	9	"	
7			W by S	W by S		29.58	61	56	55		"	"	7	"	
8			"	"		29.62	59	56	55		"	"	4	"	
9			WSW	WSW		29.63	59	56	55		"	"	3	"	
10			SW by W	"		29.64	59	56	55		o	"	0	"	
11			WSW	WSW		29.68	60	55	54		"	"	0	"	
Noon.			SW	"		29.68	60	55	54		bcq	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° " "

Variation of the Compass by Azimuth ° observed at ° " "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1550 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			SW by W	SW by W		29.68	60	56	55		bc	Cum Nimb	5	R	
2			"	"		29.68	60	57	56		"	"	6	"	
3			"	"		29.70	60	58	57		"	"	8	"	
4			SW by W	SW by W		29.70	59	58	57		"	Cum	6	"	
5			WSW	SSW		29.73	60	58	56		"	Cum Nimb	6	"	
6			"	WSW		29.73	60	57	55		"	"	6	"	
7			W by S	"		29.73	59	57	55		"	"	8	"	
8			"	"		29.74	59	57	55		"	"	8	"	
9			WSW	SW by S		29.74	60	58	56		"	"	9	"	
10			W by S	W by S		29.74	60	58	56		"	"	9	"	
11			"	"		29.76	60	58	56		"	"	9	"	
Mid.			"	"		29.76	60	58	56		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday May 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and rainy first part of watch with light S.E. breeze. Clear latter part At 1.30 wind commenced to blow in squalls from S.W. increasing to moderate gale latter part of watch & hauling to W. Barometer steady first 3 hours falling last hour Lightening on horizon to E. Sea rough. Hawse clear.

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Clear first part but cloudying over last part of watch Blowing a strong pampero from W.S.W. & W. by S. Barometer rising Sea rough. Hawse clear By order of Comdr Herman Meyer (O.S.2C) was released from confinement & restored to duty. At 7.30 Hartford made general signal 3350. Answered.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Weather cloudy and squally. Blowing a pampero from S.W. & W.S.W. Barometer rising Moderating rough seas setting to N.E. At 9.30 inspected at quarters By order of Comdr John L. King (BM.) was released from confinement and restored to duty. Hawse clear.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear and cool with strong pampero from S.W. by N. Sea rough Barometer rising Hawse clear An English and a French Steamer came in and anchored

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear and cool. Blowing a pampero from S.W. & W.S.W. Barometer rising slowly. Moderately rough sea setting to N.E. Hawse clear.

Signed Clinton K. Curtis
Lieut

From 8 to Mid. Blowing a pampero varying in direction from W.S.W. to W. by S. and the force from 6 to 8. Sea rough Barometer steady last shore. Clear sky. Open hawse.

Signed Saml. C. Lemly
Ensign

Moon phase 1st qt Dec. N. 14°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		WSW	WSW	6-8		29.75	60	59	57		bcq	Cum Nimb	9	R		
2		"	"	6-8		29.75	60	59	57		"	"	9	"		
3		"	"	6-8		29.75	60	59	57		"	"	9	"		
4		"	"	5-8		29.75	60	59	57		"	"	9	"		
5		WNW	WNW	4-6		29.76	60	54	54		"	"	9	"		
6		"	"	5-7		29.78	60	53	52		"	"	8	"		
7		"	"	4-6		29.79	60	53	53		"	Cir Cum Nimb	8	"		
8		"	"	4-6		29.81	57	53	53		"	"	2	"		
9		"	"	5-6		29.81	58	54	53		blq	Cir Cum	2	M		
10		"	"	6-7		29.81	58	58	57		blq	"	8	"		
11		W by N	W by N	6-8		29.80	58	59	59		"	"	8	R		
Noon.		W by S	W by S	6-8		29.80	59	60	59		"	"	8	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			1200 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.											
1	West	West	6-8	29.83	60	61	60	bcq	Cir Cum	9	R
2	W by S	W by S	6-8	29.83	61	62	61	"	"	9	"
3	WSW	WSW	5-7	29.83	61	62	61	"	"	9	"
4	"	"	4-7	29.83	61	62	61	"	"	9	"
5	"	"	4-6	29.83	61	62	61	"	"	8	M
6	"	"	4-5	29.83	61	61	60	"	"	8	"
7	SW by W	SW by W	5	29.84	61	61	60	bc	"	9	"
8	SW	SW	5	29.85	62	62	61	"	"	9	"
9	WSW	WSW	4-6	29.86	62	61	60	"	"	9	"
10	SW by W	SW by W	4-6	29.88	63	61	60	"	"	9	"
11	"	SW	4-5	29.88	63	61	60	"	"	9	"
Mid.	"	"	4	29.88	63	61	60	"	"	9	

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot

Variation of the Compass by at \odot

under the command of Commander W. Scott Schley, U. S. Navy.
Friday May 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Blowing a pampero from W.S.W. Barometer steady. Sea smooth setting to N.E. Hawse clear.

Signed Clinton K. Curtis
Lieut

From 4 to 8 A.M. Clear first two hours. Cloudy last two hours. Cool. Wind shifted to W.N.W. first hour. Moderate to very fresh breeze from W.N.W. Sea rough. Barometer rising. At 7.30 Flag Ship made general signal 3350. Answered. Clear hawse

Signed Charles B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and cool Blowing a fresh pampero from W.N.W. veering gradually to W. and freshening Sea rough Hawse clear. At 9.15 exercised at fire quarters and afterwards inspected divisions At 9.50 made interrog[atory] signal 39.18. Flag Ship answered & made 904. At 11.50 Flag Ship made general signal 2984 Answered.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and cool Moderate gale from W. decreasing to fresh breeze & shifting to W.S.W. Sea rough Barometer steady Clear hawse.

Signed Charles B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Moderate pampero from W.S.W. veering to S.W. Sea moderating. Barometer rising slowly. Hawse clear

Signed Saml. C. Lemly
Ensign

From 8 to Midnight. Clear cool and pleasant Moderate to fresh breeze veering from W.S.W. to S.W. Sea moderate Bright moonlight Hawse clear Barometer rising slowly

Signed Charles B. T. Moore
Ensign

Moon phase 2 qt Dec. N. 8°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			SW by W	WSW	2	29.88	61	53	52	bc	Cum	9	S	
2			South	East	1	29.88	60	53	52	"	"	7	"	
3			ESE	"	2	29.90	60	53	52	"	"	6	"	
4			"	"	3	29.90	60	53	52	"	"	6	"	
5			NE	NW by W	2	29.90	60	52	52	"	Cum Str	0	"	
6			NW	"	1	29.91	61	52	52	"	"	1	"	
7			"	"	1	29.94	57	52	52	o	"	2	"	
8			NNW	North	1	29.94	56	55	55	bc	Cir Cum	2	"	
9			NW	NNW	2	29.95	59	58	61	"	"	4	"	
10			NW by W	"	1	29.97	61	61	62	"	"	7	"	
11			NW by W	"	1	29.98	61	61	62	"	"	8	"	
Noon.			"	"	2	29.98	63	63	63	"	"	7	"	

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

o

'

"

Longitude by D. R. at Noon

o

'

"

Latitude by Observations at Noon ☉

o

'

"

Longitude by Chronometer from Forenoon Observations ☉

o

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

o

"

"

Variation of the Compass by Azimuth ☉ observed at

o

"

"

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for me at Noon

850

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1			NW by W	NW by N	2	29.98	64	67	66	bc	Cir Cum	3	S	
2			ENE	"	2	29.94	64	67	66	"	"	6	"	
3			SE by S	NNW	2	29.92	64	66	65	"	"	5	"	
4			"	"	2	29.92	64	66	64	"	"	5	"	
5			NE by E	"	3	29.90	64	64	64	"	"	6	"	
6			N by E	"	3	29.88	64	62	62	bcz	"	7	"	
7			N by W	"	2	29.85	65	61	61	"	"	7	"	
8			E	"	2	29.85	65	61	61	"	"	8	"	
9			N	North	2	29.85	64	60	62	"	"	1	"	
10			"	N by W	4	29.85	63	59	61	"	"	0	"	
11			N by W	NNW	4-6	29.78	62	60	60	"	"	0	"	
Mid.			"	N by W	4-6	29.81	62	60	59	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

o

'

"

Longitude by Chronometer Observations

*

o

'

"

Variation of the Compass by Amplitude

observed at Sunset

o

'

"

Variation of the Compass by

at

o

'

"

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday May 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Light breeze from W.S.W. first hour shifting to E. afterwards. Barometer rising slowly. Clear hawse

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and cool. Light airs from N. & W. Hove up stbd anchor and hove in 30 fathoms on port chain At 9.30 Flag Ship made gen. Signal 3350. Answered At 7.40 Flag Ship made prep signal 5455 Answered At 8 loosed sail

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Clear and pleasant Light airs to light breeze to N.N.W. At 11.10 made interrog[atory] signal 4826 Flag Ship answered and at 11.15 made prep signal 4826. At 11.25 general signal 4826 Furlled sail Sent a liberty party ashore An American ship came in and anchored A whaling barque left the harbor.

Signed Charles B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Light breeze from N.W. by N. to N.W. Rec'd in Pay Dept 75 bags bread and 3 bbls coffee and fresh provisions for crew Also received stores in Medical Dept. Riding to a S.E. current.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Clear cool and pleasant Hazy around horizon Gentle to light breeze from N.N.W. Barometer falling slowly

Signed Charles B. T. Moore
Ensign

From 8 to Mid. Overcast and pleasant Moderate to fresh breeze from N. & W. At 11.30 sent an Officer and two Marines with side arms to aid in suppressing a row between the liberty party of the English and American Men of war by request of authorities ashore.

Signed James K. Cogswell
Lieut

Moon phase 2nd qt Dec. N. 1°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NE	NNW	6	29.80	63	58	59		bc	Cir Cum Nimb	5	M		
2			ENE	"	5	29.80	63	59	59		bcl	"	3	"		
3			East	North	6	29.80	63	59	59		ol	Cir Cum	0	"		
4			ESE	"	5	29.78	63	59	59		bc	"	2	"		
5			ENE	"	3-4	29.74	62	59	58		bco	"	2	"		
6			NE	"	4	29.71	62	59	58		ol	"	9	"		
7			North	"	4	29.68	61	58	58		"	"	0	"		
8			"	N by W	3	29.70	61	59	59		oltr	"	0	"		
9			NNE	"	3	29.70	61	59	59		oltu	"	0	"		
10			NE by E	NW	2	29.70	61	59	59		"	"	0	"		
11			North	NNE	1	29.69	61	59	59		ortu	"	0	"		
Noon.			"	North	1	29.61	61	59	59		oru	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			500 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	North	NW	2	29.60	61	59	59	ov	Cum nimb	0	S	
2	NNW	SW	2	29.58	61	59	59	op	"	0	"	
3	SSW	"	2	29.51	61	60	60	"	"	0	"	
4	ENE	SE	2	29.57	61	60	60	bc	"	2	"	
5	"	Calm	0	29.58	62	59	59	bcm	Cir Cum	1	"	
6	West	"	0	29.60	63	59	59	"	"	2	"	
7	"	NW	2	29.62	64	59	59	bm	None	10	"	
8	"	"	2	29.62	64	59	59	"	"	10	"	
9	W by N	"	2	29.60	64	58	58	"	"	10	"	
10	West	SSW	2-4	29.50	64	58	58	"	"	10	"	
11	SSW	"	4-5	29.59	64	58	58	"	"	10	"	
Mid.	"	"	5-6	29.59	64	58	57	"	"	10	M	

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday May 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool Stiff to fresh breeze from N.N.W. & N. Lightening to S.W. Barometer falling slowly Moderate sea

Signed Charles B. T. Moore
Ensign

From 4 to 8 A.M. Weather cloudy and threatening Moderate breeze from N. first three hours. From N. by W. last hour and decreasing Lightening around N. and W. horizon Thunder showers last hour. Barometer falling first 3 hours rising last hour Sea smooth

Signed Clinton K. Curtis
Lieut

From 8 A. M. to Merid. Overcast and disagreeable raining during watch with lightening and thunder first part. Gentle breeze first two hours from N. and W. Light airs from N. & E. Barometer falling At 9.45 Comdg Officer inspected ship & crew at quarters. Articles for the better government of the Navy were read after Comdg Officer read prayers Comdg Officer presented Charles Green (Gr.Mt.) with a good conduct badge received from Navy Dept.

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy and disagreeable. Frequent running showers first three hours Wind light and variable in direction. Barometer falling Sea smooth

Signed Clinton K. Curtis
Lieut

From 4 to 8 P.M. Cloudy first two hours. Clear last two. Cool. Calm first part of watch Latter part light breeze from N.W. Barometer steady. Misty

Signed James K. Cogswell
Lieut

From 8 to Mid. Clear and cool. Light breeze from N.W. first hour. Shifting to S.S.W. and increasing to strong breeze veered to 60 fathoms on port chain and let go starboard anchor veering to 15 fathoms on starboard chain. Barometer falling first two hours rising last two. Moderate sea setting to N.E.

Signed Clinton K. Curtis
Lieut

Moon phase 2nd qt Dec. S. 5°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1			WSW	WSW	5-7		29.56	60	58	58		q	None	10 R
2			SW	SW	5-7		29.55	60	58	57		"	"	10 "
3			"	"	5-7		29.55	60	58	57		"	"	10 "
4			WSW	WSW	5-7		29.55	59	58	57		"	"	10 "
5			"	"	6-7		29.54	59	58	57		b	"	10 "
6			"	"	6-7		29.52	59	57	57		"	"	10 "
7			"	"	6-7		29.52	59	57	57		"	"	10 "
8			"	"	5-7		29.55	58	56	57		"	"	10 "
9			W by S	"	5-7		29.54	57	56	54		"	"	10 "
10			West	"	5-7		29.53	57	56	54		bc	Cum	9 "
11			"	"	6-8		29.53	57	56	54		"	"	8 "
Noon.			"	"	7-9		29.52	57	56	53		"	Cum Nimb	2 "

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° " "

Variation of the Compass by Azimuth ° observed at ° " "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 200 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			WSW	W by S	7-9		29.52	57	53	53		bcqf	Cum Nimb	2 R
2			W by S	"	7-9		29.51	57	53	53		"	"	4 "
3			WSW	WSW	7-8		29.53	57	53	53		bcq	"	4 "
4			"	"	7-8		29.55	57	54	54		"	"	4 "
5			S by W	SW	7-8		29.57	57	55	54		"	"	3 "
6			"	"	7-9		29.59	56	54	54		"	"	4 "
7			WSW	WSW	7-9		29.60	56	54	53		bcqd	"	2 "
8			SW by W	SW by W	7-9		29.60	56	53	53		"	"	1 "
9			SW by W	"	7-9		29.64	56	52	53		bcqp	"	1 "
10			"	"	7-9		29.66	56	52	51		"	"	1 "
11			"	"	7-9		29.69	55	51	52		bcq	"	2 "
Mid.			"	"	7-9		29.70	55	51	50		"	"	3 "

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday May 13, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Blowing a pampero from W.S.W. Barometer steady last two hours. Sea rough Hawse clear.

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Clear and cool. Blowing a pampero from W.S.W. Sea rough Barometer falling slowly. At 7.50 Flag Ship made general signal 3350. Answered

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear first part. Cloudy last hour. Cool Blowing a pampero from W.S.W. and increasing last hour. Barometer falling slowly. Sea rough Cross in hawse. At 9.30 inspected at quarters The following men absent from the ship without leave. Geo. L Adams (P.M) Wm Barber (Lds) Mich. Maugan (O.S.) Jno. W. Magee (2CF.) Frank Hunter (O.S.) Last hour breaking out sheet anchor and getting it ready for letting go.

Signed Clinton K. Curtis
Lieut

From Merid. to 4 P.M. Blowing a strong pampero. Cloudy first half with passing showers of rain. Clearing up towards end of watch. Wind veering gradually from W. to W.S.W. Barometer rising slowly Sea rough. Got sheet anchor ready for letting go At 12.40 Hartford made prep signal 6140. Answered At 1.15 made interrog[atory] signal 6140 Afterward answered At 1.25 Hartford made general signal 6140. Answered and sent down top gallant yards & masts. Shipped Renard Emile Eugene as landsman special service for the cruise from 11th instant inclusive and rated him W.A.S. from the 12th instant inclusive Crossing hawse

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy and windy Drizzling rain at intervals last hour. Blowing a strong pampero from S.W. and W.S.W. Barometer rising slowly. Sea rough. At 7.30 let go sheet anchor veering 15 fathoms chain Cross in hawse

Signed Clinton K. Curtis
Lieut

From 8 to Mid. Blowing a strong pampero from S.W. by W. Drizzling rain in passing showers first half of watch Sea rough Barometer rising slowly. Veered to 75 fathoms on port chain 30 fathoms on starboard At 8.45 burnt two prep coston lights to attract attention of Hartford She answered by Army and Navy code when we made by same code Can I get up steam? Hartford burnt prep and when answered made 904 Hoisted smoke pipe and started fires in 4 boilers Cross in hawse.

Signed Saml C. Lemly
Ensign

Moon phase 2nd qt Dec. S. 12°

Signed Asa Walker, Lieut.
Navigator.

Examined and found to be correct

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.					
A.M.														
1			WSW	SW	7-9	29.73	55	52	50	bcq	Cum Nimb	3	R	
2			"	"	7-8	29.73	55	52	50	"	"	3	"	
3			SW	"	7-8	29.75	55	52	50	"	"	3	"	
4			"	"	6-8	29.75	55	50	50	"	"	2	"	
5			"	"	7-8	29.75	55	50	50	"	"	2	"	
6			SW by W	"	6-8	29.76	55	50	50	"	"	3	"	
7			SW	"	6-8	29.79	54	50	50	"	"	1	"	
8			SW by W	"	6-8	29.78	53	50	49	oq	"	0	"	
9			WSW	WSW	6-7	29.78	52	49	49	bcq	"	2	"	
10			"	"	6-7	29.78	53	49	49	"	"	2	"	
11			"	"	6-7	29.78	52	49	49	"	"	2	"	
Noon.			"	"	6-7	29.78	52	49	49	"	"	1	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			500 "
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P.M.												
1	W by S	WSW	6-7	29.78	54	50	51	bcpq	Cum Nimb	2	R	
2	"	"	6-8	29.78	60	51	50	"	"	1	"	
3	WSW	SW	7-8	29.79	63	50	50	apq	"	0	"	
4	W by S	SW by W	6-8	29.80	63	51	51	bcpq	"	3	"	
5	WSW	WSW	6-8	29.85	65	51	51	"	"	2	"	
6	"	"	6-8	29.85	64	51	50	bcq	"	2	"	
7	"	"	6-8	29.86	65	50	50	"	"	4	"	
8	"	"	6-8	29.87	65	50	50	"	"	4	"	
9	WSW	SW	7-9	29.88	68	51	50	"	"	5	"	
10	W by S	"	7-9	29.90	68	51	50	"	"	4	"	
11	SW by W	"	7-9	29.90	66	50	50	"	"	4	"	
Mid.	W by S	"	7-9	29.90	64	50	50	"	"	4	"	

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday May 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and disagreeable. Blowing a pampero from S.W. Barometer rising slowly. Sea rough Cross in hawse Steam in four boilers

Signed Clinton K. Curtis
Lieut

From 4 to 8 A.M. Cloudy and cool. Blowing a moderate gale from S.W. Sea rough to rolling and pitching easily Barometer rising slowly. Fires banked in four boilers Cross in port and starboard bower chains. Spare chain clear.

Signed Charles B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and cool. Pampero moderating from W.S.W. Barometer steady Sea going down. Hawse clear At 8.20 commenced distilling water for ships use At 9.30 mustered at quarters Fires banked in four boilers

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and cool Fresh breeze to moderate gale varying from W.S.W. to S.W. Sea rough. Barometer rising. Frequent passing showers H.M.S. Elk shifted her berth to inner harbor. German brig rigged steamer left the harbor Fires banked in four boilers Average steam pressure 30 lbs Distilling

Signed Charles B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy with passing showers first part. Moderate pampero from W.S.W. very fresh in squalls Sea rough. Hawse clear. Barometer rising slowly. Fires banked in four boilers Distilling

Signed Saml. C. Lemly
Ensign

From 8 to Mid. Cloudy and cool Strong gale blowing in squalls from S.W. Sea rough Barometer steady Fires banked in four boilers

Signed C. B. T. Moore
Ensign

Moon phase 2nd qt Dec. S. 18°

Examined and found to be correct

Signed Asa Walker, Lieut.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			SW by W	SW by W	6-8		29.89	61	49	48		bcq	Cum Nimb	3	R	
2			"	"	6-8		29.89	59	49	48		"	"	3	"	
3			"	"	6-8		29.89	58	49	48		"	"	3	"	
4			"	"	6-8		29.89	59	49	48		"	"	3	"	
5			"	"	6-8		29.92	58	49	48		"	"	0	"	
6			SW	SW	6-8		29.93	58	50	50		"	"	0	"	
7			SW by W	"	5-8		29.93	60	51	50		"	"	0	"	
8			SW by S	SSW	5-8		29.93	61	50	50		"	"	0	"	
9			"	"	5-7		30.00	61	51	51		bcq	"	2	"	
10			SSW	"	5-7		30.01	64	51	51		"	"	3	"	
11			"	"	5-7		30.03	64	52	52		bcpq	"	2	"	
Noon.			SW	"	5-7		30.05	64	52	52		bcq	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water condensed during the preceding 24 hours 1250 "

Water remaining on hand fit for me at Noon 1400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1			SW by S	SW by S	6-8		30.06	68	52	52		bcq	Cum Nimb	3	R	
2			SW	"	6-8		30.08	68	52	52		bcp	"	6	"	
3			SW by S	SSW	5-7		30.08	67	52	52		bcq	"	3	"	
4			SSW	S by W	6-8		30.10	66	52	52		or	"	0	"	
5			S by W	S	6-8		30.12	64	51	53		bcpq	"	2	"	
6			South	"	5-8		30.13	64	51	51		"	"	4	"	
7			S by W	S by E	5-7		30.13	63	51	51		"	"	2	"	
8			SSE	SSE	5-7		30.15	62	51	51		"	"	3	"	
9			S by W	SSW	5-7		30.19	65	50	50		bcq	"	3	"	
10			S by E	"	4-6		30.20	67	51	51		bcpq	"	1	"	
11			"	"	6-8		30.20	66	50	50		"	"	2	"	
Mid.			SW	South	6-8		30.20	64	51	50		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday May 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool. Fresh pampero heavy in gusts from S.W. by W. Sea rough Barometer steady. Hawse clear. Fires banked in four boilers. Distilling

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast squally and cool. Frequent passing showers. Stiff breeze to moderate gale blowing in gusts from S.W. by W. Shifting gradually to S.S.W. Sea rough At 7.30 Flag Ship made general signal 3350. Answered Fires banked in four boilers Distilling. Hawse clear

Signed Wm. H. Allen
Midshipman

From 8 A. M. to Merid. Clear and cool Stiff to very fresh breeze from S.S.W. blowing in squalls with passing showers. Sea rough. Barometer rising At 10.30 made into signal 1684 Flag Ship answered 904 Cross in bower chains spare chain clear. Fires banked in four boilers Distilling

Signed Charles B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and cool Stiff breeze to moderate gale from S.W. by S. first hour of watch gradually shifting to S. by W. Frequent heavy squalls with rain Barometer rising slowly. Sea rough. Cross in bower chains sheet clear. Fires banked in four boilers Distilling.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy and cool. Stiff breeze to moderate gale from S. shifting to S.S.E. Frequent rain squalls. At 4.10 Sheet chain parted at benderig shackle. Bearings Mount N.W. by W. 1/8 W. Custom house S.E. by E. 1/4 E. Ships Lead S.W. by S. English steamer (P.S.N.C) went out of harbor. Veered to 45 fathoms starboard 90 faths on port chain Fires banked in four boilers Distilling

Signed Charles B. T. Moore
Ensign

From 8 to Mid. Cloudy and cool Stiff breeze from S.S.W. and S. with strong squalls at frequent intervals. Light showers of rain Sea rough Barometer steady last two hours. Cross in hawse Fires banked in four boilers. Distilling

Signed James K. Cogswell
Lieut

Moon phase 2nd qt Dec. S. 22°

Signed Asa Walker, Lieut.
Navigator.

Examined and found to be correct

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		SSW	South	5-8		30.20	65	51	51		bcq	Cum Nimb	4	R		
2		S by W	"	5-8		30.20	61	50	50		bcpq	"	2	"		
3		"	"	4-6		30.20	60	50	50		pq	"	0	"		
4		SSW	"	5-7		30.24	59	51	51		opq	"	0	"		
5		S by E	"	3-5		30.22	59	51	50		bcq	"	0	"		
6		SSE	"	3-4		30.23	57	57	57		"	"	1	"		
7		S by W	"	3		30.23	57	57	57		bc	"	2	M		
8		"	"	3		30.28	60	56	56		op	"	4	S		
9		SSE	SSE	2		30.30	63	56	54		o	"	0	"		
10		South	SW	2		30.33	63	52	52		o	"	0	"		
11		"	SW by W	2		30.25	69	53	52		o	"	0	"		
Noon.		SSW	WSW	3		30.35	70	53	52		o	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water Condensed during the preceding 24 hours			1150 "
Water remaining on hand fit for me at Noon			2200 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	SW	WSW	2	30.34	57	56	55	bc	Cum Nimb	2	S	
2	WSW	"	1-3	30.34	68	55	53	bcq	"	1	"	
3	West	SW	2-3	30.34	69	55	54	"	"	2	"	
4	WSW	"	2-3	30.34	69	57	55	"	"	3	"	
5	SW	"	1-2	30.36	66	54	54	bc	"	1	"	
6	"	SW by S	2	30.34	65	51	50	bcp	"	1	"	
7	WSW	NW	1	32.33	61	52	52	bc	"	1	"	
8	S by W	West	2	30.33	64	52	52	"	"	9	"	
9	SE by S	W by S	2	30.33	64	52	52	"	"	9	"	
10	East	"	2	30.33	64	52	52	"	"	9	"	
11	NNW	NW	1-2	30.33	64	52	50	"	"	9	"	
Mid.	NW	"	1-2	30.33	62	49	48	"	"	9	"	

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday May 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool Frequent heavy squalls with rain. Stiff breeze to moderate gale from S. Sea rough. Barometer steady Cross in hawse. Fires banked in four boilers. Distilling

Signed Charles B. T. Moore
Ensign

From 4 to 8 A.M. Over-cast with passing showers first half of watch Sea moderating Barometer rising Wind moderate to light from S. Hove up starboard anchor and in to 30 fathoms on port chain At 7.30 Hartford made general signal 3350. Ans. Fires banked in four boilers Distilling

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast and cool. Light passing showers of rain Light breeze from S.S.E. last hour of watch shifting to S.S.W. Barometer rising. At 9.25 made interrog[atory] signal 2259 Flag Ship answered 904. At 9.30 hove up port anchor and got underway with steam in four boilers At 10 came to with starboard anchor in 3 fathoms water, veering 45 fathoms chain At 10 made interrog signal 4557. Flag Ship answered 902. At 10.30 Flag Ship made 2121 and at 11 made 3094 Answered. At 11 banked fires in four boilers Bearings from anchorage Moderate N.W. by W. 3/4 W. Custom house E.N.E. Terese Point E. by S. Ships head N.W.

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy and disagreeable Squally Drizzling rain at intervals during watch Light breeze from W.S.W. and S.W. Barometer steady Sea smooth By order of Comdg. Officer Dennis I. Downey B.M. was released from confinement and restored to duty. Fires banked in four boilers.

Signed Clinton K. Curtis
Lieut

From 4 to 8 P.M. Cloudy first part. Clear last hour. Cool. Light variable breeze shifting between N.W. and S.W. Barometer steady. At 5 Flag Ship made prep signal 2983. Ans. By order of Comdr. Louis Eichman (A.S.) and Wm. Barker (Lds) were confined to the berth deck until sober. Rec'd from Flag Ship one 2200 lb anchor. Fires banked in four boilers.

Signed James K. Cogswell
Lieut

From 8 to Mid. Clear and cool Light breeze from W. by S. shifting last half to S.W. Barometer steady. Sea smooth Bright moonlight. Fires banked in four boilers.

Signed Clinton K. Curtis
Lieut

Moon phase 3rd qt Dec. S. 26 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		NW by W	NW	2	30.33	61	45	44		bc	Cum	9	S			
2		"	"	3	30.32	60	44	43		"	"	9	"			
3		"	"	3	30.31	58	42	42		"	"	9	"			
4		NW	"	3	30.31	58	42	42		"	"	9	"			
5		"	NNW	3	30.28	56	42	42		"	"	8	"			
6		"	"	2	30.28	59	43	42		"	"	8	"			
7		"	"	2	30.28	59	43	42		"	"	8	"			
8		North	"	2	30.33	63	44	49		"	"	9	"			
9		E	"	2	30.32	63	48	51		"	"	9	"			
10		W by S	"	2	30.32	64	51	50		"	"	9	"			
11		"	WNW	2-3	30.33	65	51	51		"	"	9	"			
Noon.		"	"	3	30.32	65	52	51		"	"	9	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon	°	" "
Longitude by Chronometer from Forenoon Observations	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude observed at Sunrise	°	" "
Variation of the Compass by Azimuth observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1850 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	West	W by N	3	30.30	65	53	52	bc	Cum	9	S
2	W by N	"	3	30.30	65	56	56	"	"	9	"
3	SSW	SSW	3	30.30	70	56	55	"	"	9	"
4	W by N	"	2	30.30	71	57	50	"	"	9	"
5	NW by W	NNW	2	30.30	69	55	53	"	"	10	"
6	NNW	"	2	30.30	67	54	58	"	"	10	"
7	"	"	1-2	30.26	67	51	51	"	"	10	"
8	"	NE	0	30.26	68	51	51	"	"	10	"
9	ESE	North	1	30.24	65	50	51	"	"	10	"
10	"	"	1	30.24	60	51	48	"	"	10	"
11	NE	NNW	1	30.28	62	49	48	"	"	10	"
Mid.	"	"	1	30.28	62	49	46	"	"	10	"

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot

Variation of the Compass by at \odot

under the command of Commander W. Scott Schley, U. S. Navy.
Friday May 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cold. Light to gentle breeze from S.W. Stopped distilling at 1. Fires banked in four boilers

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Clear and cool Light breeze from N.N.W. Sea smooth. Barometer rising At 7.30 Hartford made general signal 3350. At 7.50 made 5450 and then hoisted annulling pennant. Fires banked in four boilers.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear and cool. Light to gentle breeze from N.N.W. shifting to W.N.W. Barometer falling slowly. Sea smooth. At 8.45 Flag Ship made prep signal 5459. At 8.55 genl. Signal 5459. Answered. Sent up top gallant masts crossed top gallant yards and loosed sail Sent an officer to the senior Naval Officers in Lanson with customary offer of services. Comdg. Officer from Italian Frigate Governello called on Commander. Fires banked in four boilers

Signed Clinton K. Curtis
Lieut

From Merid. to 4 P.M. Clear and cool Gentle breeze from W. and S.S.W. Barometer steady Rec'd in Equipment Dept. 1/2 cord wood The U.S. Consul called officially on Comdg. Officer. At 12.45 made prep signal 826. And at 1, 4826. answered and furled sails. At 3.20 Hartford made signal 2984. Slowed spare anchor in fore hold. Fires banked in four boilers

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear and cool. Wind light from N.N.W. and N.E. Barometer falling. Sea smooth. Fires banked in four boilers Distilling

Signed Clinton K. Curtis
Lieut

From 8 to Mid. At 8.40 started fires in two boilers Cloudless sky. Cool. Barometer falling slowly. Sea smooth Light airs from N. and N.N.W. Hartford signaling with electric light during first hour of watch for practice.

Signed Saml. C. Lemly
Ensign

Moon phase 3rd qt Dec. S. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	WINDS.					BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW	NW	1-2		30.24	61	45	44		b	None	10		S
2			NW by N	"	1-2		30.23	61	45	44		"	"	10		"
3			North W	"	1-2		30.23	58	44	44		"	"	10		"
4			"	"	1-2		30.23	58	44	44		"	"	10		"
5			SW	"	2		30.22	56	44	43		"	"	10		"
6			"	"	3		30.22	56	45	43		bc	Cur Cum	9		"
7		Steaming up river under direction of Pilot	"	"	3		30.22	54	48	47		"	"	8		"
8			"	"	4		30.24	60	56	48		"	"	6	"	
9			"	NW by W	4		30.22	57	51	50		bcp	"	5	"	
10		Same	"	"	4		30.24	59	53	51		"	"	6	"	
11		"	"	"	4		30.22	61	54	53		"	"	6	"	
Noon.		"	"	"	4		30.24	62	54	54		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon	°	' "
Longitude by Chronometer from Forenoon Observations	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude	°	" "
Variation of the Compass by Azimuth	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water		"
Water remaining on hand fit for me at Noon		1500 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	Standing up river	NW	4	30.20	64	57	57	bcz	Cir Cum	6	S
2	under direction	"	3	30.15	63	58	58	"	"	8	"
3	of pilot	"	2	30.15	63	60	60	"	"	8	"
4	Same	"	2	30.12	63	60	60	"	"	8	"
5	"	NW	2	30.13	63	59	58	bc	Cir Cum Str	6	"
6	E by S	NNE	1-2	30.13	63	58	57	"	"	6	"
7	"	North	1	30.15	63	55	52	"	Cum	7	"
8	N by W	"	1	30.14	63	55	54	"	Cir cum	9	"
9	NNW	N by W	3	30.14	63	55	54	"	"	9	"
10	NW	North	3	30.15	62	54	54	"	"	7	"
11	"	NNE	4	30.15	62	55	54	"	"	9	"
Mid.	"	"	5	30.15	62	55	54	"	"	8	"

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday May 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Wind light from N.W. Barometer falling slowly. Sea smooth. Bright moonlight Steam in six boilers Steam pressure

Signed Clinton K. Curtis
Lieut

From 4 to 8 A.M. Clear and cool. Pleasant. Light to gentle breeze from N.W. At 4.15 called all hands and got underway and steamed out of harbor under directions of Pilot. At 6 set jib main trysail and spanker. Steaming with six boilers Average steam pressure 60 lbs. Revs 50. Draught for'd 13 ft 10 in. Amidships 14 ft 10 in. Aft 15 ft 11 in.

Signed Charles B. T. Moore
Ensign

From 8 A. M. to Merid. Cool but pleasant. Light haze. Wind moderate from N.W[ester]ly. Sea smooth Barometer unsteady Steering courses as per direction of pilot. At 9.55 stopped Engine for 10 minutes to set up on bearings. At 10.30 took in fore and aft sail. The following punishments were assigned by Comdr. viz. Saml. Griffin O.S. and Frank Hunter (O.S 2C) 8 hours extra duty each for shirking anchor watch. James W. Hackett (Arm) 1 extra watch for using improper language to Jno. Hill [?]. Allen Christian (Nurse) 8 hours extra duty for not obeying orders of Apothecary. Steaming 3/4 power. Average pressure 59 lbs. Revs. 49. At 11.20 passed India Point Light ship.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Sky clear hazy around horizon Moderate to light breeze from N.W. and N.W. by W. Steaming up Rio de la Plata under direction of pilot. At 3.15 passes Chico Light ship Steaming with six boilers. Average steam pressure 60 lbs. Revs. 51.

Signed Charles B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Sight variable airs At 5.45 came to in 2 1/2 faths. Water with port anchor 30 fathoms chain. Soft muddy bottom No bearings. Banked fires and started distiller. Moon rose at 6.55 Draught for'd 13 ft 10 in. Amidships 14 ft 11 in. Aft 10 ft 11 in.

Signed Saml. C. Lemly
Ensign

From 8 to Mid. Clear and cool. Gentle to stiff breeze from N. by W. shifting to N.N.E. Bright moonlight Fires banked six boilers Distilling At 8.30 let fires die out in two boilers

Signed Charles B. T. Moore
Ensign

Moon phase 3rd qt Dec. S. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Colonia, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NW	North	3-5		30.09	60	54	54		bc	Cum	9	S	
2			"	"	3-5		30.07	60	54	54		"	"	9	"	
3			North	"	3-5		30.07	58	54	54		"	"	9	"	
4			"	"	3-5		30.07	57	54	54		"	"	9	"	
5			"	"	3-5		30.07	56	50	54		"	"	9	"	
6			NNE	NNW	3		30.07	58	50	52		"	"	9	"	
7			NW by W	"	3		30.08	59	50	50		"	"	5	"	
8			Steaming in for Colonia under direction of Pilot	"	3		30.10	59	51	51		"	"	2	"	
9				North	5		30.10	60	53	53		"	"	3	"	
10	Pilot			NNW	N by E	4		30.12	65	56	56		"	Cur Cum	3	"
11			"	"	3		30.13	65	59	59		"	"	4	"	
Noon.			NW by N	NNW	3		30.11	65	53	63		"	"	3	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2550 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	NW	NNW	3	30.08	65	65	63	bc	Cir Cum	2	S	
2	NNW	"	3	30.08	64	65	63	"	"	1	"	
3	"	"	3	30.04	65	66	64	"	"	1	"	
4	NW by N	"	2	30.02	64	66	65	"	"	3	"	
5	NNW	North	1	30.00	64	64	64	"	"	5	"	
6	ESE	NNE	1	29.99	65	59	59	"	"	6	"	
7	SE	Calm	0	29.99	65	59	59	"	"	9	"	
8	"	NNE	2	30.02	63	58	57	"	"	9	"	
9	NE by N	"	2	30.02	63	63	64	"	"	4	"	
10	N by W	"	3	30.02	62	57	56	"	"	5	"	
11	NNW	"	2	30.02	62	56	56	"	"	3	"	
Mid.	"	"	2	30.02	62	56	56	"	"	2	"	

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday May 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Light to moderate breeze from N. Sea smooth.
Barometer falling slowly first hour steady remainder of watch. Fires banked in six boilers.
Distilling

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear cool and pleasant. Gentle breeze from N. first hour and from N.N.W. last three hours of watch. At 7.20 spread fires in six boilers At 7.45 got underway with steam in six boiler and stood in for Colonia under direction of pilot. At 8 crossed royal yards.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and pleasant. Stiff to gentle breeze from N. shifting to N. by E. and then to N.N.W. Standing in for Colonia. At 9.20 came to anchor in 23 feet of water. Port anchor. Veering to 60 fathoms of chain Bearings. West end Lopez. East Island N.W. 1/2 W. Farralon light W.S.W. Ships head N.N.W. At 9.45 hauled fires. Draught for'd 13 ft 10 in. Amidships 14 ft 10 in. Aft 15 ft 10 in. Sent an Officer ashore to American Consul. At 11.30 called all hands to muster to verify balances from Fourth Auditor

Signed Charles B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Gentle breeze first three hours. Light breeze last hour from N.N.W. U.S. Consul paid an Official visit to the Commander. Riding to the current which is setting to the S.S.E.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Clear. Pleasant. Calm and light airs from N. and N.E. Barometer rising
Lowered smokestack.

Signed Charles B. T. Moore
Ensign

From 8 to Midnight. Cloudy and pleasant. Light to gentle breeze from N.N.E. Bright moonlight
Barometer steady.

Signed James K. Cogswell
Lieut

Moon phase 3rd qt Dec. S. 25°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NNW	NNE	3	30.02	62	55	55		bc	Cir Cum	9	S		
2			"	"	3	30.02	62	55	55		"	"	8	"		
3			NW by N	NE	1	30.02	62	55	55		"	"	9	"		
4			"	Calm	0	30.02	61	55	55		"	"	9	"		
5			South	NNE	1	30.02	60	54	53		"	"	10	"		
6			SE by S	"	1-2	30.05	59	52	52		"	"	10	"		
7			E by N	"	1-2	30.04	57	53	53		"	"	10	"		
8			NNW	"	1-2	30.04	57	53	53		"	"	10	"		
9			"	North	2	30.05	58	56	56		"	"	2	"		
10			"	"	2	30.05	58	58	57		"	"	1	"		
11			"	NNW	2	30.05	58	58	57		"	"	1	"		
Noon.			"	"	2	30.05	63	62	61		"	"	1	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon	°	" "
Longitude by Chronometer from Forenoon Observations	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude observed at Sunrise	°	" "
Variation of the Compass by Azimuth observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water	during the preceding 24 hours	" "
Water remaining on hand fit for me at Noon		2200 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	NW by N	NW	1-2	30.03	61	64	63	bc	Cir Cum	3	S
2	"	"	1	30.00	61	64	64	"	"	3	"
3	"	ESE	1	30.00	61	65	65	"	"	3	"
4	"	"	0-1	30.00	60	64	64	"	"	3	"
5	"	Calm	0	30.00	60	62	62	omp	"	0	"
6	"	Calm	0	30.00	61	61	61	"	None	0	"
7	SSE	Calm	0	30.02	62	61	61	bc	Cir cum	5	"
8	"	Calm	0	30.05	62	61	61	"	"	7	"
9	SE by S	ESE	0-1	30.05	62	58	58	bcm	"	4	"
10	East	"	0-1	30.05	62	58	58	"	"	4	"
11	NNW	"	1	30.05	62	577	57	"	"	4	"
Mid.	"	"	1	30.03	62	57	57	"	"	4	"

Longitude by Chronometer from Afternoon Observations \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Variation of the Compass by at \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

under the command of Commander W. Scott Schley, U. S. Navy.
Monday May 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear cool and pleasant. Gentle breeze from N.N.E. shifting to N.E. and dying out last two hours. Bright moonlight. Barometer steady

Signed Charles B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Cool. Wind light from N.N.E. Barometer rising slowly. Sea smooth.

Signed Clinton K. Curtis
Lieut

From 8 A. M. to Merid. Clear and pleasant. Light breeze from N. first two hours. From N.N.W. last two hours. Comdg. Officer paid an official visit to the chief civil authority ashore.

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy. Pleasant light breeze from N.W. shifting last half to E.S.E. Barometer falling slowly. Sea smooth.

Signed Clinton K. Curtis
Lieut

From 4 to 8 P.M. Cloudy. Pleasant. Hazy. Calm. Barometer rising slowly. Swung to flood tide at 6.30.

Signed James K. Cogswell
Lieut

From 8 to Midnight. Partially cloudy and hazy. Cool. Wind light from E.S.E. Barometer falling slowly. Sea smooth.

Signed Clinton K. Curtis
Lieut

Moon phase 3rd qt Dec. S. 22°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Colonia, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NNW	ENE	1		30.02	61	57	56		bc	Cir Cum	8		S
2			"	"	1		30.02	61	57	56		"	"	9		"
3			"	ESE	1		30.02	61	59	57		"	"	4		"
4			NW by N	SE	1		30.02	61	57	57		"	"	3		"
5			SSE	ESE	1		30.02	60	56	56		bw	"	10		"
6			East	SE	1		30.02	60	56	56		"	"	5		"
7			SE by S	East	2		30.02	60	56	56		bc	"	3		"
8			South & East	SE	2		30.05	60	56	56		"	"	3	"	
9			E by S	ESE	1-2		30.05	60	57	57		"	"	2	"	
10			NNW	East	2		30.06	59	57	57		"	"	3	"	
11			"	"	2		30.06	59	60	60		"	"	3	"	
Noon.			"	"	2		30.04	60	60	60		"	"	3	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1850 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NNW	SE	2	30.05	61	61	61	bc	Cir Cum	3	S
2	"	"	2	30.05	61	61	61	"	"	3	"
3	"	"	2	30.05	61	61	61	"	"	3	"
4	"	"	2	30.05	60	61	61	"	"	4	"
5	NNE	"	2-3	30.04	60	60	60	"	"	4	"
6	"	"	2-3	30.05	60	58	58	"	"	4	"
7	SE	"	3	30.06	61	56	57	"	"	9	"
8	SSE	SSE	3-5	30.08	60	56	56	uf	"	0	"
9	SE by S	Se	3-5	30.08	61	56	56	opu	"	0	"
10	"	"	3-5	30.08	61	56	56	"	"	0	"
11	SE by E	"	3-5	30.08	61	56	56	"	"	0	"
Mid.	NE by E	"	3-5	30.08	61	56	56	"	"	0	"

Longitude by Chronometer from Afternoon Observations \odot

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot

Variation of the Compass by at \odot

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday May 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Light airs from E.N.E. first two hours shifting to E.S.E. and S.E. Barometer steady. Riding to the ebb.

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Clear first part clouding over towards end of watch. Cool and pleasant. Light variable airs. Barometer rising very slowly. Swing to flood tide at 4.20. Heavy dew. Received on board 160 lbs. fresh beef and same amount of vegetables for use of crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Partially cloudy. Pleasant. Wind light from E.S.E. shifting to E. Barometer falling slowly. Sea smooth. At 9.30 inspected at quarters exercised at company drill. By order of Comdr. Ensign Saml. C. Lemly was placed under suspension for striking a servant and Geo. N. Kahn (O.S.2C) was given two hours extra duty for failing to inform Officers all hands were called. Swung to ebb at 9.30.

Signed Clinton K. Curtis
Lieut

From Merid. to 4 P.M. Partially cloudy. Pleasant. Wind light from S.E. Barometer steady Sea smooth. Ship riding to the ebb.

Signed W. G. Hannum
Midshipman

From 4 to 8 P.M. Partially cloudy first part of watch foggy latter part. Slight breeze from S.E. increasing to fresh breeze latter part and hauling to S.S.E. last hour ugly threatening weather. At sunset sent down topgallant and royal yards. Swung to flood at 6.30

Signed Clinton K. Curtis
Lieut

From 8 to Mid. Weather cloudy and threatening. Foggy. Wind moderate with fresh puffs from S.E. Barometer steady. Sea smooth. Ship swung to the ebb at 11.30

Signed W. G. Hannum
Midshipman

Moon phase 3rd qt Dec. S. 11°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			North	SE by E	5	30.09	60	56	56		f	None		S	
2			"	"	5	30.09	60	56	56		"	"		"	
3			N by W	"	5	30.09	60	56	56		"	"		"	
4			"	"	4	30.12	60	56	56		"	"		"	
5			SE by E	South East	4	30.13	60	56	56		omp	Nimb	0	"	
6			SE by S	"	3	30.14	59	55	55		"	"	0	"	
7			"	East	3	30.14	59	54	54		"	"	0	"	
8			"	"	4	30.17	59	54	54		"	"	0	"	
9			South East	"	3	30.18	60	55	54		"	"	0	"	
10			E by S	"	3	30.20	60	56	56		"	"	0	"	
11			N by E	"	3	30.20	60	57	57		"	"	0	"	
Noon.			NNW	"	3	30.20	60	58	58		bc	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon	°	" "
Longitude by Chronometer from Forenoon Observations	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude observed at Sunrise	°	" "
Variation of the Compass by Azimuth observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water during the preceding 24 hours		751 "
Water remaining on hand fit for me at Noon		2250 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.												
1	N by W	E by S	4	30.16	60	59	60	bcmp	Cir Cum	4	S	
2	"	"	3	30.16	60	60	60	"	"	6	"	
3	NW by N	"	3	30.15	61	62	62	"	"	7	"	
4	NNW	"	3	30.15	61	60	61	"	"	7	"	
5	N by W	E by N	3	30.14	61	58	58	"	"	4	"	
6	NNW	"	3	30.13	61	57	57	of	Cum Nimb	0	"	
7	"	"	3	30.16	61	57	57	bcf	"	8	"	
8	NNE	"	3	30.16	61	57	57	vc	"	9	"	
9	"	East	3	30.16	61	56	56	"	Cum	9	"	
10	S by E	"	3	30.16	61	56	56	"	"	9	"	
11	North	"	3	30.16	61	56	56	"	"	9	"	
Mid.	NNW	"	3	30.16	61	56	56	"	"	9	"	

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday May 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Weather cool. Foggy. Moderate breeze from S.E. by E. Ebb tide.
Smooth sea.

Signed Clinton K. Curtis
Lieut

From 4 to 8 A.M. Overcast. Cool. Misty. Gentle to moderate breeze from S.E. shifting to E. third
hour. Riding to current setting to N.W. Barometer rising.

Signed Charles B. T. Moore
Ensign

From 8 A. M. to Merid. Weather cloudy and disagreeable. Misty. Clearing last hour of watch.
Gentle breeze from E. Barometer rising slowly. Sea smooth. At 9.15 inspected at quarters.
Exercised 1st Div. at great guns. Instructed 2nd Div. in the service of the guns and drilled Marine
Guard. Slack water at 9.30. Ship swung to ebb at 11.15.

Signed W. G. Hannum
Midshipman

From Merid. to 4 P.M. Sky clear. Misty. Moderate to gentle breeze from E. by S. Riding to
current setting S. Scraped spars.

Signed Charles B. T. Moore
Ensign

From 4 to 8 P.M. Weather overcast and foggy first half Clear last half of watch. Gentle breeze
from E. by N. Barometer rising. Sea smooth. Tide turned flood at 7.45.

Signed W. G. Hannum
Midshipman

From 8 to Mid. Clear. Cool. Pleasant. Gentle to light breeze from East. Moon rose at 10.
Barometer steady

Signed Charles B. T. Moore
Ensign

Moon phase 3rd qt Dec. S. 14°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NNW	ENE	2	30.15	61	66	65	bc	Cum	9	S		
2			"	"	2	30.15	61	67	66	"	"	9	"		
3			"	"	2	30.15	62	67	66	"	"	9	"		
4			"	"	2	30.15	62	66	67	"	"	9	"		
5			N by W	"	3	30.15	62	64	64	b	None	9	"		
6			NE	"	3	30.15	62	63	62	bc	Cir Cum	9	"		
7			ESE	"	3	30.20	62	61	61	"	"	9	"		
8			SE	"	3	30.21	62	60	60	"	"	9	"		
9			ESE	"	3	30.20	62	59	59	"	"	2	"		
10			NE	NE	4	30.20	62	58	58	"	"	6	"		
11			NNE	"	5	30.21	62	58	58	"	"	6	"		
Noon.			"	"	6	30.19	62	58	58	"	"	8	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1900 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	North	W by E	6	30.16	61	66	65	bc	Cir Cum	6	S
2	N by W	"	6-7	30.15	61	67	66	"	"	7	"
3	"	"	6	30.12	62	67	66	"	"	6	"
4	"	ENE	4-5	30.12	62	66	65	"	"	2	"
5	NNW	NE	3	30.11	62	64	64	"	"	2	"
6	"	NE by E	3	30.12	62	63	62	"	"	8	"
7	"	ENE	3	30.13	61	61	61	"	"	8	"
8	N by W	East	3	30.13	62	60	60	"	"	7	"
9	North	"	3	30.14	62	59	59	"	"	9	"
10	"	East NE	3	30.14	62	58	58	"	"	9	"
11	"	"	3	30.14	62	58	58	"	"	9	"
Mid.	N by W	"	3-4	30.12	62	58	58	"	"	9	"

Longitude by Chronometer from Afternoon Observations \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Variation of the Compass by at \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday May 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Heavy dew. Wind light from E.N.E. Barometer steady. Sea smooth Riding to ebb.

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Cloudy and cool. Pleasant gentle breeze from E.S.E. At 8 crossed top gallant yards and loosed sail. Commenced to swing to flood at 7. Riding between wind and tide

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Clear. Cool. Pleasant. Gentle breeze from E.N.E. shifting to N.E. second hour and increasing to fresh breeze. At 9.15 inspected at quarters. Exercised company A and B at single sticks. At 11.30 furled sail. Riding to wind last two hours. By order of Commander John Gilmore (O.S.) was given 6 hours extra duty for striking J. F. Manning (Lds)

Signed Charles B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Fresh breeze first three hours from N.E. Moderate breeze last hour from E.N.E. Ensign Saml. C. Lemly was released from suspension by order of Commander. Riding to ebb tide.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant Gentle breeze from N.E. shifting to E. At sunset sent down top gallant yards. Riding to ebb.

Signed Charles B. T. Moore
Ensign

From 8 to Midnight. Clear and pleasant. Gentle breeze from East first our and from E.N.E. rest of watch. Barometer steady. Riding to ebb.

Signed James K. Cogswell
Lieut

Moon phase last qt Dec. S. 9°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Colonia, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			N by W	ENE	5	30.15	61	59	59		bc	Cum	9	S	
2			"	"	4-6	30.15	61	59	59		"	Cir Cum	8	"	
3			NNW	North	4-6	30.15	61	58	59		"	"	9	"	
4			N by W	"	4-6	30.15	61	59	58		"	"	9	"	
5			NNW	"	4-5	30.15	60	58	58		"	"	8	"	
6			N by W	"	4-5	30.15	60	58	58		"	"	6	"	
7			North	NE by N	4-5	30.15	60	57	58		"	"	5	"	
8			N by E	NNE	4-5	30.02	61	61	60		"	"	5	"	
9			"	N by E	3	30.20	61	63	62		"	"	1	"	
10			NNE	"	4	30.22	62	64	62		"	"	1	"	
11			NE	NE by N	4	30.22	62	64	62		"	"	0	"	
Noon.			NNE	NNE	4	30.22	63	66	65		"	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ☉	°	' "
Longitude by Chronometer from Forenoon Observations ☉	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water		750 "
Water remaining on hand fit for me at Noon		2300 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			North	N by E	3	30.18	64	69	69		bc	Cir Cum	5	S	
2			N by W	"	3	30.18	64	69	69		"	Cir Cum Nimb	3	"	
3			NNW	NNE	2-3	30.18	64	67	67		"	"	0	"	
4			NW by N	NE	1-2	30.18	64	66	66		"	"	0	"	
5			"	ENE	1	30.18	64	66	66		"	"	0	"	
6			"	NE by E	1	30.18	64	64	64		"	"	0	"	
7			"	"	3	30.17	64	64	64		"	"	0	"	
8			NNW	NE	3	30.17	66	64	64		"	"	0	"	
9			"	N by E	3-4	30.17	66	64	64		ocsib	"	0	"	
10			N by W	"	3-4	30.17	65	63	63		"	"	0	"	
11			"	N by W	3-4	30.17	65	63	63		"	"	0	"	
Mid.			NNW	NNW	3-4	30.17	65	62	61		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉	°	' "
Longitude by Chronometer Observations	*	°
Variation of the Compass by	observed at Sunset	°
Variation of the Compass by	at	°

under the command of Commander W. Scott Schley, U. S. Navy.
Friday April [sic May] 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Moderate to fresh breeze from E.N.E. & N.E.
Moonlight. Riding to ebb. Barometer slowly.

Signed Charles B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Moderate to strong breeze from N.E. to N.N.E. At 8
crossed top gallant yards.

Signed Clinton K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy and pleasant. Gentle to moderate breeze from E. by N. first two
hours and from N.N.E. last hour. Barometer steady At 9.15 inspected at quarters exercised at
fire quarters. Time 1st stream 40 s. 2nd 45 s. 3rd 1 m. Several in one minute and fifty eight
seconds. Riding to wind and ebb tide.

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Overcast and cloudy. Light breeze from N. by E. Ebb tide.

Signed Clinton K. Curtis
Lieut

From 4 to 8 P.M. Overcast and pleasant. Cum. Nimb clouds. Light airs from E.N.E. first hour
increasing to gentle breeze last hour from N.E. Barometer steady last two hours. Riding to ebb.

Signed James K. Cogswell
Lieut

From 8 to Mid. Overcast and cloudy. Misty. Lightening during entire watch Lightening to S.W.
Moderate breeze from N. by E. to N.N.W.

Signed Clinton K. Curtis
Lieut

Moon phase last qt Dec. S. 3°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Colonia, Uruguay S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NNW	NNW	4-5		30.16	68	63	63		ori	Nimb	0	S	
2			NW	NW	0-1		30.16	68	62	62		ors	"	0	"	
3			"	Calm	0		30.19	64	62	62		"	"	0	"	
4			NNW	"	0		30.19	64	62	62		"	"	0	"	
5			NW by N	North	0-1		30.17	64	62	62		"	"	0	"	
6			"	"	1-3		30.16	64	62	62		ofp	"	0	"	
7			NNW	"	1-2		30.15	64	61	61		"	"	0	"	
8			"	"	1-2		30.15	64	61	62		vc	"	1	"	
9			N b y W	NNW	2		30.17	65	61	62		"	Cum Nimb	3	"	
10			ENE	"	2-3		30.17	65	63	62		"	"	1	"	
11			NNE	"	3		30.17	64	63	62		"	"	3	"	
Noon.			NNW	"	3		30.15	64	64	62		"	Cir Cum Nimb	4	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon	°	" "
Longitude by Chronometer from Forenoon Observations	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude observed at Sunrise	°	" "
Variation of the Compass by Azimuth observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water during the preceding 24 hours		" "
Water remaining on hand fit for me at Noon		2000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	NW by W	WNW	2-3	30.15	65	65	65	bc	Cum Nimb	3	S
2	"	"	2	30.13	65	64	64	bcfp	"	1	"
3	"	NW	2	30.13	65	63	64	"	"	2	"
4	NW	"	2	30.11	65	63	64	"	"	3	"
5	NW by N	"	1-2	30.11	65	63	62	bcl	"	3	"
6	"	Calm	0	30.11	65	63	63	odp	"	0	"
7	"	"	0	30.12	64	63	63	"	"	0	"
8	"	"	0	30.12	64	64	64	omp	"	0	"
9	"	"	0	30.10	65	62	62	bcz	"	5	"
10	"	"	0	30.10	66	62	62	"	"	3	"
11	N by W	"	0	30.10	66	62	62	"	"	5	"
Mid.	"	"	0	30.10	66	62	62	"	"	5	"

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday May 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Light sprinkling of rain first two hours, raining hard rest of watch. Moderate to stiff breeze first hour from N.N.W. Calm last two hours. Barometer rising.

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Overcast with passing showers until last hour. Then commenced clearing up. Sea smooth. Wind light to moderate from N. Barometer falling slowly. Distinct sound of distant firing at sunrise apparently to N. and W.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Partially cloudy. Pleasant. Light to gentle breeze from N.N.W. and N.W. Barometer falling slowly. Sea smooth Tide turned to flood at 9.45. At 10.30 loosed sail to dry. Took on 730 galls fresh water from the river.

Signed Clinton K. Curtis
Lieut

From Merid. to 4 P.M. Clear with light passing showers of rain Wind light from N.N.W. Barometer falling Sea smooth. Sound of distant firing to N.W. at 12 N.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Weather cloudy and disagreeable Drizzling rain portion of watch Light airs from N.W. first hour. Calm remainder of watch. Barometer rising slowly Sea smooth

Signed Clinton K. Curtis
Lieut

From 8 to Mid. Partially cloudy and hazy. Calm. Barometer steady. Riding to ebb.

Signed Saml. C. Lemly
Ensign

Moon phase last qt Dec. N. 2 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		NNW	NNW	0-1	30.10	65	62	62		bc	Cum Nimb	8	S			
2		"	"	0-1	30.10	65	62	62		"	Cum Str Nimb	3	"			
3		NW by N	"	0-1	30.10	65	62	62		"	"	2	"			
4		"	"	0-1	30.10	65	63	63		"	"	0	"			
5		"	"	2	30.10	65	63	63		"	"	2	"			
6		NNW	"	1	30.11	65	63	63		"	"	5	"			
7		"	"	2	30.11	64	62	62		"	"	0	"			
8		"	"	2	30.11	64	61	62		"	Cir Cum	7	"			
9		"	"	3	30.12	64	63	63		"	"	5	"			
10		NW by N	"	3	30.12	64	65	65		"	"	6	"			
11		NW	"	4	30.10	64	65	65		"	"	7	"			
Noon.		"	"	3-4	30.10	64	65	65		"	"	8	"			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water Received during the preceding 24 hours			650 "
Water remaining on hand fit for me at Noon			2800 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.											
1	S by E	NNW	2	30.05	65	65	65	bc	Cir Cum	7	S
2	NW	NW	2	30.05	66	67	67	"	"	8	"
3	"	"	2	30.01	66	66	66	"	"	6	"
4	NW x N	WNW	2	30.02	65	66	66	"	"	4	"
5	"	NW	2	30.02	65	65	64	"	"	6	"
6	NNW	NE	1-2	30.01	65	65	64	"	"	6	"
7	NW by N	"	2	30.02	64	64	64	"	"	6	"
8	"	"	2	30.02	64	64	64	"	"	8	"
9	"	North	3	30.00	64	64	64	"	"	9	"
10	NNW	NNE	4	30.00	64	64	64	"	"	9	"
11	"	"	4	30.00	64	63	63	"	"	10	"
Mid.	"	"	4	30.00	64	63	63	"	"	10	"

Longitude by Chronometer from Afternoon Observations \odot 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Variation of the Compass by at 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday May 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first hour. Cloudy remainder of watch. Cool. Barometer steady Sea smooth. Light airs from N.N.W. Riding to ebb

Signed Clinton K. Curtis
Lieut

From 4 to 8 A.M. Cloudy first part. Clear and pleasant latter part Light airs to light breeze from N.N.W. Sea smooth. Riding to ebb. Received fresh provisions for crew.

Signed Charles B. T. Moore
Ensign

From 8 A. M. to Merid. Clearing up. Pleasant. Light to moderate breeze from N.N.W. N.W. by N. and N.W. Barometer falling. Sea smooth. Ebb tide At 9.30 had divisions inspection and at 10 Commander inspected ship and crew at quarters and afterwards read prayers.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light breeze from N.N.W. shifting gradually to W.N.W. Barometer falling Governor of Colonia and staff visited the ship.

Signed Charles B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant Light breeze from N.W. first hour afterwards hauling to N.E. Barometer unsettled. Pumped into tanks from river 650 gals. fresh water Hoisted smoke pipe and made general preparations for sea Tide running ebb.

Signed Saml. C. Lemly
Ensign

From 8 to Mid. Clear. Cool. Pleasant. Gentle to moderate breeze from N. shifting to N.N.E. second hour. Barometer steady.

Signed Charles B. T. Moore
Ensign

Moon phase last qt Dec. N. 7 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Ensenada, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NNW	NNW	4	29.97	63	62	62		p	-	10	S	
2			"	"	3	29.96	63	61	60		bc	Cir Cum	9	"	
3			"	"	3	29.96	62	61	60		"	"	8	"	
4			"	"	3	29.96	62	61	60		"	"	7	"	
5			"	"	3	29.96	62	58	58		p	Nimb	10	"	
6			"	"	2	29.95	62	58	58		"	"	10	"	
7		Standing out from		NW	2	29.95	61	59	59		bc	Cir Cum	8	"	
8		Colonia under		NNW	2	29.97	62	59	59		"	"	4	"	
9		direction of pilot		"	4	29.95	62	61	61		"	"	6	"	
10		NW by N		"	4	29.93	62	61	61		"	"	8	"	
11		NNW		"	2	29.93	64	63	63		"	"	7	"	
Noon.		"		"	2	29.94	64	63	63		"	"	9	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 2500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			North	"	2	29.88	64	63	63		vc	Cr Cum	9	S	
2			NNW	NNW	3	29.86	64	65	65		"	"	8	"	
3			"	"	1	29.85	64	66	66		"	"	9	"	
4			"	"	1	29.84	64	66	66		"	"	9	"	
5			"	NNE	1	29.84	64	63	63		"	"	9	"	
6		Standing out from Ensenada			0	29.82	64	63	62		"	Cum	9	"	
7		under direction of pilot			1	29.83	64	63	62		"	"	9	"	
8		"		Calm	1	29.84	65	60	60		"	"	8	"	
9	3	5	SE	NNE	1	29.85	68	60	60		"	"	9	"	
10	7		SE 1/2 E	"	1	29.84	68	60	60		"	"	9	"	
11	7		"	NE	2	29.82	68	60	60		"	"	9	"	
Mid.	7	4	SE by E	"	2	29.81	68	60	60		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude * observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday May 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant with moderate breeze from N.N.W. Smooth sea.
Barometer falling slowly.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear first part. Cloudy latter part. Pleasant light breeze from N.N.W first hour shifting during watch to W.N.W. At 6 brought to on port chain and hove in to 30 faths. At 6.40 got underway with steam in four boilers and stood out of harbor under direction of pilot. Average steam pressure 45 lbs. Rev. 47. At 8 sighted Ensenada. H.B.M. Ship of war Voleage Griffin & Elk were at anchor in the roads.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Clear and pleasant. Moderate to light breeze from N.N.W. smooth. Barometer rising slowly. Slack water ebb at 10.50. At 8.45 came to anchor off Ensenada in 18 feet of water. Port anchor with 45 fathoms chain. Mole at Ensenada bore S. Sent 4th cutter with Navigation Officer to take sights for the determination of the latitude and longitude of the place. An Officer from H.M.S. Voleage called on Comdg Officer. The following punishments were awarded by Comdr. F. L. Handley (OS2C) has extra duty for refusing to obey orders of petty Officer. E. Parker (Lds) 2 hrs extra duty for writing on paint work. J. Bullene (O.S.) 2 hrs extra duty for soiling paintwork on fore hatch repeatedly. Wm. C. Robenson Lds. 2 hrs extra watches for spilling grease on spar deck being told not to carry a full bucket Wm. H. Danforth (OS) J. Hashagea (O.S.) J. Kenyona (OS) Charles Seller (O.S) Wm J Lindon (O.S.2c) Nicholas Lynch O.S. 2c Thos. C. Pentz (O.S.2c) & Wm. White (OS2c) 3 extra watches for being noisy in 2nd cutter going ashore after being spoken to alongside. E. Parker (Lds) 2 hrs extra duty for dirtying side board with greasy food.

Signed Charles B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze past two hours from N.W.W. and N.W. light airs last two hours from N.N.W. Misty around horizon H.B.M.S. Griffon steamed out from Ensenada and stood out the river. Fires banked in four boilers.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Calm and light breeze from N.N.E. At 5.15 got underway and steamed out from Ensenada steaming with 4 boilers under direction of pilot. Changed course at 6.20 to E 1/2 S. Drought for'd 13 ft 10 in. Amidships 14 ft 11 in. Aft 15 ft 11 in. Ave steam pressure 50 lbs. Rev. 47.

Signed Charles B. T. Moore
Ensign

From 8 to Mid. Clear and pleasant. Light airs to light breeze from N.N.E. Standing down the river under direction of pilot. Steaming with 4 boilers Average steam pressure 50 lbs Rev. 47. At 12. India light bore S 1/2 E. Passed a number of vessels.

Signed James K. Cogswell
Lieut

Moon phase last qt Dec. N. 13 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	Under direction of pilot		N by E 1/2 E	NNE	4		29.80	64	60	60		vc	Cir cum	8	S	
2			"	"	3		29.80	64	60	68		"	"	3	"	
3			N by E	"	4		29.78	64	59	59		"	"	6	"	
4			"	"	4		29.76	64	59	59		"	"	9	"	
5			NE 1/2 E	"	3		29.75	64	59	58		"	"	8	"	
6			"	"	3-7		29.75	64	58	57		"	Cir Cum Nimb	4	"	
7			"	"	3-4		29.75	63	57	56		"	"	5	"	
8			"	North	3-4		29.75	62	58	58		ocm	"	2	"	
9			NNE	NNW	3		29.78	62	60	60		"	"	0	"	
10			North	"	4		29.78	62	61	60		"	"	0	"	
11		"	"	2		29.78	62	63	63		"	"	0	"		
Noon.			NNW	"	3		29.75	62	63	63		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon	°	'	"
Longitude by Chronometer from Forenoon Observations	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude observed at Sunrise	°	"	"
Variation of the Compass by Azimuth observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2150 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	NNW	NNW	3	29.72	63	63	64	om	Cir Cum Nimb	0	S	
2	NW	"	3	29.69	63	65	65	"	"	0	"	
3	NNW	"	3	29.68	63	65	65	"	"	0	"	
4	NNE	N by W	3	29.67	63	65	64	"	"	0	"	
5	NE by E	NNE	1	29.65	64	64	64	"	Cum Nimb	0	"	
6	"	North	2	29.63	64	64	64	"	"	0	"	
7	NE	N by E	2	29.61	65	64	64	"	"	0	"	
8	N by E	"	2	29.57	65	63	64	bcl	"	0	"	
9	"	North	3	29.58	65	61	60	"	"	0	"	
10	"	NNW	3-4	29.58	62	60	60	"	"	4	"	
11	N by W	WSW	3-4	29.64	62	61	60	otrl	"	6	"	
Mid.	NNW	NNW	3-4	29.64				"	"			

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday May 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Gentle to moderate breeze from N.N.E. At 12.30 changed course to N.E. by E. 1/2 E. At 1.40 dropped Indio light Steaming with 4 boilers Average pressure 53 lbs. Rev. 31. At 2.30 sighted Mount light and changed course to N.E. x E.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear first part. Cloudy latter part of watch. Wind gentle to moderate from N.N.E. Shifting to N. At 4.45 changed course to N.E. 1/2 E. At 5.00 sighted Panola rock light ship. Steaming with 4 boilers. Standing in for anchorage last hour. At 7.15 crossed royal yards. At 7.30 made number. Flag Ship answered Average steam pressure 60 lbs. Rev. 36.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast misty and pleasant. Light to moderate breeze from N.N.W. At 8.15 made interrog[atory] sig. 1211. Flag Ship answered 904. At 8.35 came to in the harbor of Montevideo with starboard anchor in 3/3/4 fms. water veering to 30 fathoms chain. Bearings from anchorage Mount N.W. x W 1/4 W. Custom house N. E. 1/4 E. Draught water for'd 13 ft 9 in. Midships 14 ft 9 in. Aft 15 ft 11 in. At 9.45 Hartford made genl [general] sig. 2208 and at 11.[made] 5760. Answered. Pilot left the ship Hauled all fires at 10. Riding to wind and tide.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy but pleasant. Gentle breeze from N.N.W. shifting to N. last hour. Barometer falling. Sea smooth. Threatening weather last hour.

Signed C. K. Custer
Lieutenant

From 4 to 8 P.M. Overcast first part. Clearing up last part of watch Light breeze shifting from N.E. to N.N.W. Lightening to S. and W. Barometer falling. At 4.40 Flag Ship made prep 6140 Answered. At sunset sent down light yards and T. G. masts.

Signed J. K. Cogswell
Lieut

From 8 to Midnight. Weather cloudy and threatening Thunder lightening and rain last half Wind gentle to moderate from N. and N.N.W. first half from W.S.W. and W.N.W. last half of watch. At 10.50 let go port anchor [unreadable] foot and veered to 45 fath[oms] chain Weather cloudy and squally.

Signed C. K. Curtis
Lieut

Moon phase last qt Dec. N. 17 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			West	West	3	29.66	63	60	60		ol	Cum Nimb			
2			"	"	2	29.66	63	60	60		bcml	"			
3			WSW	"	3	29.66	63	60	60		bcr	"			
4			SW	"	2	29.67	62	60	60		"	"			
5			SW by W	SW by W	2	29.68	62	60	60		"	"			
6			WSW	"	1	29.68	62	60	60		"	"			
7			SW	"	1	29.68	62	60	60		x	"			
8			"	"	1	29.70	62	59	59		o	"			
9			South	NW	1	29.73	62	59	59		ox	"			
10			SW by S	NNW	1-2	29.73	62	60	60		omp	"			
11			SW	"	2	29.73	63	63	60		"	"			
Noon.			West	"	2	29.73	63	63	62		bcm	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ☉	o	' "
Longitude by Chronometer from Forenoon Observations ☉	o	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ☉ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ☉ observed at	o	" "
Water expended during the preceding 24 hours		200 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1950 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			West	Calm	0	29.72	63	63	62		bcmp	Cum Nimb			
2			"	"	0	29.70	64	63	62		"	"			
3			"	"	0	29.70	64	62	62		"	"			
4			"	"	0	29.68	64	64	64		"	"			
5			NNE	NNE	0-1	29.69	63	62	62		"	"			
6			East	NE	1	29.67	63	61	61		"	"			
7			NE	"	1	29.68	64	61	61		bc	"			
8			ENE	"	1	29.68	64	61	61		"	"			
9			NE by E	North	1	29.65	63	58	58		"	Cum			
10			N	NNE	1	29.65	63	58	58		"	"			
11			"	"	2	29.65	63	58	58		"	"			
Mid.			"	"	3	29.65	63	58	58		"	"			

Longitude by Chronometer from Afternoon Observations ☉	o	' "
Longitude by Chronometer Observations *	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday May 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast first part. Clearing up latter part of watch Misty
Lightening to N. and E. first two hours. Barometer rising slowly. Hawse clear.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Misty first half. Foggy latter half of watch. Wind light from S.W. by W. Sea
smooth. Barometer rising. Hove in taut on starboard chains Clear hawse

Signed Saul. C. Lemly
Ensign

From 8 A. M. to Merid. Weather cloudy and misty. Wind light from N.W. and N.N.W. Barometer
steady. Sea smooth. At 9.15 inspected at quarters. Exercised 1st Div. at great guns. Marine
Guard at Manuel Hawse clear.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Partially cloudy. Misty. Calm. Barometer falling slowly. Sea smooth.
P.S.N.L Steamer went to sea. Served out monthly money to crew. Sent a special liberty party on
shore watch 7.A.M. tomorrow. Hove in to 30 faths on starboard chain veering on port. Clear
hawse.

Signed S. C. Lemly
Ensign

From 4 to 8 P.M. Weather partially cloudy. Misty first half Clear latter half of watch Light airs
from N.N.E. & N.E. Barometer steady Sea smooth At 4.50 Flag Ship made general signal 2954.
Answered Cross in hawse starboard chain on top.

Signed C. K. Curtis
Lieut

From 8 to Mid. Clear and cool. Light to moderate breeze from N. Sea smooth Barometer steady.
Hawse clear.

Signed Saml. C. Lemly
Ensign

Moon phase last qt Dec. N. 21 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Montevideo, Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			N by W	NNE	2-3	29.50	62	57	58		bc	Cum Nimb	2	S	
2			"	"	1-2	29.52	62	59	59		om	"	0	"	
3			NNW	North	2-3	29.60	62	60	60		ocm	"	3	"	
4			"	NNW	2-3	29.60	62	60	60		bcm	"	5	"	
5			"	"	4	29.60	62	60	60		"	"	4	"	
6			NW	NW	4	29.60	62	60	60		"	"	5	"	
7			North	"	3	29.60	62	60	60		"	"	7	"	
8			NNE	"	3	29.62	62	62	62		"	"	4	"	
9			WNW	"	3	29.66	63	62	62		pcf	"	2	"	
10			SW by W	WSW	3-4	29.66	63	62	62		"	"	0	"	
11			SW	SW by W	3-4	29.69	61	63	62		cf	"	0	"	
Noon.			NW	"	2	29.71	63	61	62		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon	°	" "
Longitude by Chronometer from Forenoon Observations	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude observed at Sunrise	°	" "
Variation of the Compass by Azimuth observed at	°	" "
Water expended during the preceding 24 hours		200 gallons.
Water	during the preceding 24 hours	" "
Water remaining on hand fit for me at Noon		1750 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	SSW	WSW	1	29.70	64	62	62	"	"	0	S
2	W by S	"	1	29.73	64	61	62	bcf	Cir Cum	3	"
3	West	"	0-1	29.75	64	63	64	"	"	2	"
4	NW	Calm	0	29.75	64	63	64	of	Cir Cum Nimb	0	"
5	"	NW	1	29.76	64	62	62	bcm	"	1	"
6	"	"	1	29.76	64	62	61	"	"	3	"
7	S by W	"	0-1	29.76	64	62	60	"	"	2	"
8	SE	"	0-1	29.74	64	62	60	"	"	6	"
9	"	"	0-1	29.76	64	61	60	"	"	2	"
10	SE by S	WNW	1	29.76	64	60	60	om	"	0	"
11	SSE	SW	2	29.76	64	60	60	ol	"	0	"
Mid.	SW by W	"	3	29.78	64	60	60	o	"	0	"

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday May 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Weather cloudy and cool. Wind light to gentle from N.N.E. shifting N. to N.N.W. Barometer falling. Sea smooth. Lightening in horizon to S.W. last hour. Cross in hawse starboard chain on top.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Misty first three hours. Thick fog last hour. Moderate to gentle breeze from N.N.W. and N.W. Sea smooth. Cross in hawse starboard chain on top.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy and foggy and light to moderate breeze from W.S.W. to S.W. by W. Barometer rising. At 8.45 Hartford made prep 6144 and at 9.05 6144. Answered. Sent town top gallant masts and yards. Loosed sail. At 9.10 Hartford made prep. 4826. Answered and at 11.15 prep 6140. At 11.40 she made 4826. Answered Furled sail At 11.45 made 6145 answered and sent down top gallant yards and masts. James Brown (C.F.le) absent from the ship without leave. Crossing hawse

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Foggy. Fog gradually lifting light airs from N.W. first three hours. Calm last hour. At 1.40 Flag Ship made [illegible] sig. 8277, 0981, 3218, 496, 1467, 2204, 7497, 629, 6915, 7530, 800, 7272, 6856, 629, 9766, 0935, 1267, 4373, Comet 29, 7497, 1409, 1267, 8810, 2012, 9420, 6504. Answered. Received in Construction Dept. 312 square feet India rubber. Barometer rising Cross in hawse starboard chain on top.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy first part. Clearing latter half of watch. Misty. Barometer steady. Light airs from N.W. Elbow in hawse starboard chain on top.

Signed Saml. C. Lemly
Ensign

From 8 to Mid. Overcast. Misty first two hours. Light airs from N.N.W. Shifting to S.W. & increasing to gentle breeze Lightening to S.W. third hour. Barometer rising slowly. Elbow in hawse.

Signed C. B. T. Moore
Ensign

Moon phase last qt Dec. N. 25 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fall/rons.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		WSW	SSW	3		29.82	62	59	58		bc	Cum Nimb	7	S		
2		SW by W	"	3-4		29.82	62	59	58		"	"	6	"		
3		SSW	"	3-4		29.86	62	58	58		bcf	"	1	"		
4		SW by S	S by W	4-5		29.86	61	58	58		"	"	2	"		
5		SSW	South	4-5		29.85	61	57	56		ocg	"	0	"		
6		S by W	"	4		29.85	61	57	55		oc	"	0	"		
7		South	"	3		29.85	59	57	55		"	"	0	"		
8		S by E	S by E	2		29.88	59	56	55		"	"	0	"		
9		"	South	3		29.90	59	56	55		o	"	0	"		
10		South	S by W	3		29.91	58	56	56		"	"	0	"		
11		"	"	2		29.92	58	56	56		"	"	0	"		
Noon.		"	"	3		29.92	58	55	55		"	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		200 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1550 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.												
1	S by W	SSE	3	29.90	58	55	54	ol	Cum Nimb	0	S	
2	South	SE	2	29.90	58	55	54	"	"	0	"	
3	"	"	1	29.88	59	55	55	"	"	0	"	
4	SSW	ESE	1	29.88	59	55	54	"	"	0	"	
5	SE by S	"	2	29.90	59	54	54	bc	"	2	"	
6	ESE	"	3	29.89	59	54	54	"	"	4	"	
7	"	E by S	5	29.85	59	54	54	"	"	7	"	
8	SE by E	ESE	5	29.83	59	54	54	"	"	7	"	
9	SE	"	3-6	29.82	58	54	54	bcig	"	9	"	
10	SE by E	"	3-5	29.82	57	54	54	bcq	"	7	"	
11	ESE	E by N	3-5	29.82	57	54	54	"	"	3	"	
Mid.	E by S	"	3-5	29.82	57	54	54	"	"	1	"	

Longitude by Chronometer from Afternoon Observations \odot \circ \circ \circ

Longitude by Chronometer Observations $*$ \circ \circ \circ

Variation of the Compass by Amplitude observed at Sunset \circ \circ \circ

Variation of the Compass by \circ \circ \circ at \circ \circ \circ

under the command of Commander W. Scott Schley, U. S. Navy.
Friday May 31st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Light to moderate breeze from S.S.W. and S. by W. Barometer rising slowly. Ground swell Clouding over towards latter part of watch. Elbow in hawse

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and cool Moderate breeze first part of watch from South. Light breeze latter part from S. by E. At 7.30 Flag Ship made general signals 3350. Answered Elbow in hawse.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Overcast. Cool. Gentle to light breeze from S. and S. by N. At 8.45 Flag Ship made prep. sig 6071 and then hoisted annulling pennant. Answered. Cleared hawse. At 12 Flag Ship made genl. sig 3094. Answered. Barometer rising slowly. Hawse clear. Received in Bureau of C. & R. Carpenters Dept 4 gals linseed oil and 4 gals turpentine.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast and cool. Gentle breeze first part from S.S.E. Light airs from E.S.E. latter part. Received in Pay. Dept. 6 barrels pork from Hartford. At 2.30 Hartford made general signal 2984. Answered Hawse clear.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy first two hours. Clear last two hours. Light to stiff breeze from E.S.E. and E. by S. Barometer falling Veered to 30 fathoms port chain. Clear hawse

Signed C. B. T. Moore
Ensign

From 8 to Mid. Cloudy and cool. Gentle breeze from E.S.E. to E. by N. Blowing a stiff breeze in puffs. Veered to 40 fathoms port chain. Barometer steady Long swell from S.E. Hawse clear.

Signed J. K. Cogswell
Lieut

Moon phase New Moon Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fall-rons.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		E by S	E by N	4-6	29.77	52	55	54		o	Cum Nimb	0	M			
2		East	"	4-6	29.71	57	55	54		bl	"	0	"			
3		E by S	East	4-7	29.76	57	55	54		"	"	0	"			
4		ESE	"	4-7	29.65	57	56	56		o	"	0	"			
5		SE	SE	4-7	29.64	57	56	56		of	"	0	"			
6		"	"	4-7	29.64	57	55	54		or	"	0	"			
7		ESE	ESE	4-7	29.61	57	55	54		ods	"	0	"			
8		East	East	5-8	29.60	57	56	55		ofgl	"	0	R			
9		"	"	5-8	29.60	57	56	55		ofly	"	0	"			
10		"	"	5-8	29.56	57	56	56		ofq	"	0	"			
11		ESE	"	5-8	29.55	57	56	56		orqlt	"	0	"			
Noon.		"	ESE	7-9	29.63	57	53	54		"	"	0	"			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			200 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1350 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	SE by E	ESE	7-9	29.51	51	51	52	bcq	Cum Nimb	4	R	
2	East	"	7-9	29.43	51	53	54	"	Cir Cum Nimb	5	"	
3	"	E by S	7-9	29.48	51	56	56	"	"	4	"	
4	ENE	East	7-8	29.46	51	56	56	"	"	0	"	
5	SE	ESE	7-8	29.52	51	56	56	oqm	Cum Nimb	0	"	
6	"	"	7-8	29.55	51	56	56	"	"	0	"	
7	"	"	6-7	29.56	57	56	56	"	"	0	"	
8	"	"	5-7	29.60	57	57	57	"	"	0	"	
9	SE by S	SE	4-6	29.63	58	57	57	oqd	"	0	"	
10	SSE	"	4-6	29.68	57	57	57	"	"	0	"	
11	S by E	"	4-6	29.67	58	57	57	"	"	0	"	
Mid.	S by W	SW	4-6	29.70	58	56	58	"	"	0	"	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday June 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Cool. Moderate to very fresh breeze from E. by N. shifting to E. blowing gusts. Lightening to N. Barometer falling. Sea moderate. Hawse clear.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and disagreeable. Drizzling rain during portion of watch Thunder and lightening last hour. Barometer falling Moderate sea setting to N. and W. Blowing to moderate gale from S.E. E.S.E. & E. At 7.30 Flag Ship made general signal 3350. Veered to 75 faths for'd bitts on port chain and to 45 fathoms in hawse on stbd. Hawse clear.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast and ugly weather. Stiff breeze first three hours from East. Blowing a moderate gale in squalls. At 11.45 wind shifted to S. with a heavy rain and increased in force to a strong gale. Barometer rising rapidly and unsteady last hour. Rose 09. and in 15 minutes fell 06. Heavy squalls with lightening thunder and rain. During watch got sheet anchor on bows and bent sheet chain. At 12 started fires in 4 boilers. Hawse clear. Sea rough with long heavy swell from S.E.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy. Blowing a moderate gale in squalls from E.S.E. & E. Moderately rough sea setting to S. and W. Veered to 90 fathoms port chain for'd bitts and to 60 fms. starboard chain outside hawse. Steam in 4 boilers Av. Pressure 50 lbs Cross in hawse port chain on top.

Signed C. K. Curtis
Lieutenant

From 4 to 8 P.M. Overcast ugly threatening weather. Very fresh breeze to moderate gale first part of watch. From E.S.E. latter part. Stiff to very fresh breeze Squally. Bar. rising Sea rough Fires banked in four boilers

Signed J. K. Cogswell
Lieutenant

From 8 to Mid. Weather cloudy and disagreeable. Drizzling rain during watch Moderate to fresh breeze from S.E. and S.W. Barometer rising. Sea moderate Fires banked in 4 boilers Av steam pressure Hawse clear

Signed C. K. Curtis
Lieut

Moon phase 1st qt Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.						Air Wet Bulb.
A.M.															
1		S by W	SSE	4-6	29.70	58	56	56	oqcl	Cum Nimb	0	R			
2		"	"	4-6	29.70	58	56	56	"	"	0	"			
3		S by E	SE	3-5	29.70	58	55	55	bcy	"	4	M			
4		SSE	"	2-4	29.71	58	55	55	"	"	2	"			
5		"	"	2-4	29.74	58	55	55	bcqf	"	2	"			
6		SE x S	South	2-4	29.76	57	55	55	cpqu	Nimb	0	"			
7		South	"	3-4	29.76	57	56	55	bctq	"	1	"			
8		"	"	3-4	29.83	57	56	55	"	"	2	"			
9		"	SSW	3-4	29.84	60	56	55	bcq	Cir Cum Nimb	2	"			
10		S by W	"	3-4	29.84	61	55	54	"	"	3	"			
11		"	"	3-4	29.85	62	56	55	"	"	3	"			
Noon.		"	"	3-4	29.90	63	56	55	"	"	2	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	400 "
Water remaining on hand fit for me at Noon		1450 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.												
1	SW	SW	3-4	29.88	64	56	56	bcq	Cum Nimb	2	M	
2	SW by W	"	3-4	29.89	65	54	53	"	"	3	"	
3	WSW	WSW	3	29.90	67	54	52	bc	"	1	"	
4	W by S	W by S	3	29.90	65	54	53	"	"	7	"	
5	"	"	3	29.90	63	54	53	"	Cum Nimb	7	"	
6	WSW	WSW	4	29.92	64	53	53	bcq	"	7	"	
7	SW by W	SW by W	5	29.92	59	52	51	"	"	7	"	
8	SW	SW	4-5	29.96	65	50	50	"	"	7	"	
9	SW by S	SW by S	5-6	29.94	63	50	50	"	"	6	"	
10	"	SW	5-6	29.94	62	50	50	"	"	5	"	
11	SW	"	5-6	30.00	62	50	50	"	"	5	"	
Mid.	"	"	5-6	30.00	60	50	50	"	"	1	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday June 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool. Moderate to stiff breeze first two hours of watch from S.S.E. Light to stiff breeze last two hours from S.E. Barometer rising slowly. Drizzling rain first part of watch. Fires banked in four boilers. Hawse clear.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy with passing showers of drizzling rain Wind moderate from E. & S. Barom rising. Sea moderate. At 7.15 Hartford made prep 6144 and at 7.30 6144. Ans[wered] and sent up top gallant masts and yards. At 8 dressed mast heads. Italian flag at main. Italian senior officer ship fired a salute of 21 guns. Hawse clear.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast and disagreeable. Moderate breeze from S.S.W. Barometer rising slowly. Sea moderate. Hove in to 3 fms. [fathoms] outside hawse on both chains. Hawse clear Fires banked in four boilers A. 12m Flag Ship Italian senior officers ship and shore battery fired a salute of 21 guns.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy first half clearing towards end of watch. Barom[eter] rising slowly. Wind moderate to light and hauling gradually from S.W. to N x S. Sea moderate. A Brazilian str (L& H) came in and Italian str. went to sea. Uruguayan Gunboat came up the river. Made preparations for sea. Hove up port anchor veering to 45 fms [fathoms] on starboard chain. Got spare anchor below. Philip Hazard (OS) James Brown (C.F.C.) M. Clark (C) and Frederick Porter (C.Sf) were brought on board by an Officer and file of marines having been arrested by civil authorities. Wm. Lindburg (P.M.) returned on board. Fires banked in four boilers. Distiller in operation

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Partially cloudy. Gentle breeze from W. by S. first hour. Moderate breeze with strong gusts from W.S.W. shifting to S.W. remainder of watch. Barometer falling slowly. Moderate sea setting to N and E. Enlisted for the cruise of the "Essex" Chas. Kelly as seaman. John Kallenbach (O.S.2c) and James Hughes (2CT) returned on board.

Signed C. K. Curtis
Lieut

From 8 to Mid. Clouding over latter part of watch. Fresh pampero from S.W. and S.W. Barometer rising Sea rough. At 8 veered to 60 fms [fathoms] on starboard chain. Fires banked in four boilers.

Signed Saml. C. Lemly
Ensign

Moon phase 1st qt Dec. N. 26 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Off Montevideo & Madorado S. A.

Hour.			WINDS.			Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			SW by W	SW by W	4-6	30.62	60	50	50		bcq	Cum Nimb	2	M		
2			"	"	4-6	30.02	60	50	50		"	"	3	"		
3			"	"	3-5	30.13	61	50	50		bcqd	"	1	"		
4			SW by S	SW by S	4-6	30.05	61	50	50		"	"	1	"		
5			SSW	SSW	4-6	30.05	58	51	51		bcql	"	4	"		
6			"	"	4-7	30.08	58	51	51		bcq	"	5	"		
7			South	S by W	4-7	30.14	58	51	51		"	"	3	"		
8	2	2	E	S	4-6	30.11	58	50	50		"	"	4	"		
9	7	0	"	"	4-7	30.14	56	50	50		b	"	4	"		
10	7	8	E 1/2 N	"	4-5	30.15	57	51	50		"	"	5	"		
11	8	6	"	"	2-5	30.16	58	51	51		"	Cir Cum	5	"		
Noon.	4	3	E by N	"	4-5	30.15	59	51	51		"	"	6	"		
	4	3	E	"												

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours 400 "

Water remaining on hand fit for me at Noon 1550 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			East	SW	4	30.15	58	52	51		bc	Cir Cum	5	M	
2			Steaming to anchorage Maldonado Uruguay	"	4	30.15	58	53	53		"	"	3	"	
3			N	"	4	30.15	58	53	53		"	"	5	"	
4			"	"	4	30.17	58	52	53		"	"	5	"	
5			West	"	4	30.18	58	53	52		"	Cum Nimb	5	"	
6			WSW	"	4	30.20	61	52	52		"	"	5	"	
7			W by S	SW x W	4	30.22	62	52	52		"	"	9	"	
8			SW by W	"	4-6	30.24	62	52	51		"	"	9	"	
9			SW	SW	4-5	30.25	63	52	52		"	"	9	"	
10			SW x W	"	4-5	30.26	62	52	51		"	"	9	"	
11			WSW	"	4-5	30.26	67	52	51		"	"	9	"	
Mid.			"	"	4-5	30.26	64	52	51		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday June 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Drizzling rain last half. Cloudy and squally. Wind moderate with fresh puffs from S.W. by W. shifting to S.W. by S. last hour. Barometer rising slowly. Moderate sea. Steam in four boilers Av[erage] steam pressure. At 2.30 made signal to Flag Ship shall I go to sea at 4 A.M. Ans[wered]. The Admiral is on shore expended one custom prep signal.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Cool. Squally. Light passing showers first hour. Moderate to very fresh breeze from S.S.W. shifting to S. At 6.20 called all hands up anchor. At 6.50 started ahead steaming with four boilers. At 7.40 Brava light bore North distant 1 mile. Set course East. At 7.15 set jib main topsail and spanker. Bending F.T.M. staysail. Draught for'd 13 ft 9 in. Midship 14 ft 10 in. Aft 15 ft 11 in. Av[erage] steam pressure 50 lbs. Revol. 44.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and pleasant. Moderate to stiff breeze from S. Sea moderate. Barometer steady last three hours. At 8.30 made sail to T. G. sails. Crossed royal yards and set royals. At 10.30 set foresail. Steaming with 4 boilers Land in sight on port beam. Average steam pressure 50. Revolutions 43.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy. Moderate breeze from S. W. Barometer rising slowly. At 1 changed course to E. by N. Sit [set] gaff topsail. At 1.20 shortened and furled sail and steamed to anchorage of Maldonado. At 2 came to with starboard anchor in 5 1/2 fms water veering 60 fs chain for'd of bitts. Bearings from anchorage. Lt house S.S.E. W. end of island S.W. by W. Ships head W. Draught of water for'd 13 ft 9 in. Midships 14 ft 10 in. Aft 15 ft 11 in. At 2.05 sent down light yards. Exchanged signals commercial code with party on shore. At 4 started distiller. Fires banked in four boilers.

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Partially clear. Cool. Barometer rising. Sea smooth. Fires banked in 4 boilers. Distilling Moderate wind from S.W.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Clear. Cool. Moderate to fresh breeze from S.W. by W. Sea moderate. Ship rolling easily. Moon set at 7.10 Fires banked in 4 boilers. Distilling

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and cool Moderate to stiff breeze from S.S.W. Barometer steady. Fires banked in four boilers Distilling

Signed J. K. Cogswell
Lieut

Moon phase 1st qt Dec. N. 24 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Off Maldonado Uruguay S. A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			WSW	WSW	4-5	30.26	62	52	51	bc	Cum Nimb	2	M	
2			"	"	4-5	30.26	62	52	51	"	"	4	"	
3			"	"	4-5	30.26	61	52	51	"	"	4	"	
4			W by S	"	4-5	30.28	61	52	51	"	"	4	"	
5			West	SSW	4-4	30.28	61	50	49	"	"	4	S	
6			W by N	SW	4	30.28	61	50	49	"	"	4	"	
7			West	"	3	30.31	61	50	49	"	"	5	"	
8			"	"	3	30.34	61	50	49	"	"	5	"	
9			"	"	2	30.34	61	51	51	"	"	5	"	
10			"	"	2	30.35	58	51	51	"	Cir Cum Nimb	3	"	
11			"	"	2	30.36	58	51	51	"	Cir Cum	5	"	
Noon.			"	W by S	2	30.36	58	51	51	"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			WSW	W by N	2	30.35	60	51	51	bc	Cir Cum	5	S	
2			"	"	2	30.35	61	52	51	"	"	6	"	
3			"	"	2	30.35	62	52	51	"	"	6	"	
4			W by S	W by S	2	30.36	62	52	51	"	"	6	"	
5			West	"	1-2	30.36	62	52	51	"	"	6	"	
6			W by N	"	1-2	30.34	62	52	51	"	"	6	"	
7			West	SW by W	1-2	30.34	62	52	51	"	"	6	"	
8			WSW	WSW	1-2	30.34	65	50	50	"	"	6	"	
9			SW x W	SW by W	3	30.35	65	50	50	"	"	6	"	
10			SW	SSW	3-5	30.35	62	51	50	"	"	9	"	
11			S by W	South	3-5	30.35	62	51	50	"	"	9	"	
Mid.			SW	SSW	3	30.35	59	50	50	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday Jan 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool. Wind moderate to strong from W.S.W.
Barometer steady Sea moderate Fires banked in four boilers. Distilling

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Partially clear. Cool. Wind moderate to light from S.W. Long rolling swell from same direction At 6.55 sighted Hartford to S.W. steaming in Exchanged numbers with her at 7.00 Fires banked in four boilers. Distilling

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy. Cool. Pleasant. Light breeze from S.W. shifting to W. by S. last hour. Long swell from S.W. Ship rolling easily. At 8.10 Hartford came to. At 9.30 inspected at quarters. Jas. W. Elms (Lds) was brought on board from Flag Ship. Fires banked in four boilers. Distilling.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and cool. Gentle variable breeze. Barometer steady first three hours rising last hour. At 1 sent a party on shore. Fires banked in four boilers.

From 4 to 6 P.M. Partially cloudy. Cool. Wind light from W. by S. Barometer falling slowly Sea smooth. At 4.45 Battalion returned on board. Fires banked in 4 boilers Distilling.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear and cool. Gentle variable breeze Barometer steady. Long rolling swell. Fires banked in four boilers

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Midnight. Clear. Cool. Pleasant. Light to stiff breeze varying from S.W. x W to S. Long swell from S.W. Ship rolling easily Fires banked in four boilers. Distilling.

Signed C. B. T. Moore
Ensign

Moon phase 1st qt Dec. N. 20°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage between Maldonado Uruguay & Rio Janeiro Brazil

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			WSW	SSW	2	30.34	60	50	50		bcf	Cum Nimb	1	L	
2			"	South	2	30.32	60	50	50		oc	"	0	"	
3			SW by S	"	4	30.33	60	50	49		bc	"	8	"	
4			WSW	"	4	30.33	60	50	50		bcf	"	3	"	
5			SW	"	3	30.32	50	50	50		"	"	5	S	
6			W by S	"	3	30.32	50	51	50		bc	"	4	"	
7			WSW	"	2-3	30.33	57	51	50		"	"	5	"	
8			"	"	2	30.33	57	51	50		"	"	5	"	
9			SW	SSW	2	30.34	59	51	50		"	"	5	"	
10			"	"	2	30.34	59	51	50		"	"	4	"	
11			SW by S	South	2	30.35	63	51	50		"	"	4	"	
Noon.			SSW	"		30.35	62	52	51		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		200 gallons.
Water during the preceding 24 hours		800 "
Water remaining on hand fit for me at Noon		2450 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			S by W	South	2	30.34	62	52	51		bc	Cir Cum	4	S	
2			"	"	2	30.30	60	52	52		"	"	7	"	
3			South	S by W	2	30.28	60	53	53		"	"	7	"	
4			"	South	2	30.30	60	53	52		"	"	9	"	
5			Standing out from Maldonado in company with Hartford	South	2	30.27	60	51	51		"	"	8	"	
6				ENE	2	30.27	60	51	51		"	"	8	"	
7	1	2	East	South	2	30.27	60	51	51		"	"	9	"	
8	4	2	E 1/2 N	"	1-2	30.27	60	51	51		"	None	9	"	
9	4	2	E by N	SE by S	2	30.27	64	51	50		b	"	10	L	
10	4	0	"	"	1	30.27	64	51	50		"	Cir Str	10	"	
11	4	0	E 3/4 N	"	2	30.23	64	51	50		bc	"	9	"	
Mid.	4	0	"	"	2	30.24	64	51	50		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

observed at Sunset

at

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday June 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool. Passing showers of rain. Gentle breeze first part from S.S.W. Moderate breeze latter part from S. Cum Nimb clouds. Barometer steady last two hours. Fires banked in 4 boilers. Distilling. Long swell from S.E.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy and cool. Wind moderate to light from S. Barometer steady. Sea smooth. Fires banked in four boilers. Distilling.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear and cool. Gentle breeze from S.S.W. & S. Bar. steady. At 8.25 Hartford made prep signal 2251 At 8.30 sent boats alongside Flag Ship Exercised company on shore in company with Hartford companys at battalion drill

Lieut

From Merid. to 4 P.M. Clear and pleasant Light breeze from S. and S. by W. At 2.45 Flag Ship made telegraphic signal 4904. 8373. 629. 1267. 7672. 9409. 9676. 945. 4312. Ans. Made preparation for sea Hove in to 15 fms starboard Chains. Fires in four boilers At 3.55 Hartford made genl [general] sig 4890

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear and cool. Light breeze first hour from South. Last hour from E.N.E. At 4 got underway and stood out from Maldonado in company with this "Hartford" At 4.30 "Hartford" made prep. sig. 6069. Ans. Crossed T. G. and royal yards. Draught of water for'd 13 ft 8 1/2 in. Amidships 14 ft 9 1/2 in. Aft 15 ft 10 1/2 in. Steaming with 4 boilers, half speed. At end of watch Hartford about 4 cable lengths on our starboard bow. Av. steam pressure 70 lbs. Rev. 33.

Signed J. K. Cogswell
Lieut

From 6 to 8 P.M. Weather clear and cool. Wind light from S. Bar[ometer] steady. Sea smooth. At 6.45 took departure. Lt [light] on Punta del Este bearing N.W. by W. 1/2 W. distant 3 miles. At end of watch Punta del Este Light bore W x N. Hartford 3 points on port bow distant 1/2 mile. At 6.30 sighted light bearing N.E. Steam in four boilers Av pressure 50 lbs. Rev. 30.

Signed C. K. Curtis
Lieut

From 8 to Mid. Clear and cool. Light airs from S.E. x S. Bar[ometer] falling. Long swell At 9.30 moon set. At 9.35 lost sight of Punta del este light bearing S.W.W. 1/2 W. At end of watch Punta Pizdras light bore (pc) W.N.W. at end of watch. Hartford broad off port bow distant 2 miles. Slowing down frequently to keep in position

Signed Saml. C. Lemly
Ensign

Moon phase 1st qr. Dec. N. 15 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage between Maldonado Uruguay & Rio Janeiro. Brazil

		WINDS.				BAROMETER.		TEMPERATURE.				Forms of Clouds, by symbols.		State of the Sea.		Record of the sail the vessel is under at end of watch.		
Hour.	Knots.	Fathoms-Tenths	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Prop. of Clear Sky, in 10ths.					
A.M.																		
1	2	1	E 3/4 W	SSE	0-1		30.20	61	52	51	57	bc	Cum	1	L			
	2	5	E by N															
2	5	2	"	"	0-1		30.20	61	52	52	57	"	"	9	"			
3	0	9	E 3/4 N	Calm	0		30.20	60	53	53	57	"	"	9	"			
	4	4																
4	4	8	"	"	0		30.20	60	53	57	57	"	"	9	"			
5	3	4	"	North	1		30.19	60	53	53	57	"	"	5	"			
6	4	5	NE by E	"	2		30.18	60	53	53	57	"	Cum Nimb	0	"			
7	4	6	NE 1/2 E	"	3		30.18	64	53	53	57	o	"	0	"			
8	3	6	NE	"	3		30.22	64	56	66	67	"	"	5	"			
9	4	2	NE	NE	2		30.22	63	57	55	57	bc	Cir Cum	7	S			
10	4	4	"	"	2		30.22	63	58	58	57	"	"	7	"			
11	4	0	NE 1/2 E	"	2		30.21	63	58	58	57	"	"	7	"			
Noon.	3	5	NE	"	2		30.20	63	59	59	58	"	"	7	"			
Distance run by Log since preceding Noon												68 knots	tenths					
Latitude by D. R. at Noon												S. 34	°	43	'	"		
Longitude by D. R. at Noon												W. 53	°	29	'	"		
Latitude by Observations at Noon ⊕												S. 34	°	35	'	"		
Longitude by Chronometer from Forenoon Observations ⊕												W. 53	°	27	'	"		
Current during the time				knots	fms. per hour, setting to the				[note in left margin reads "Sg No 602"]									
Variation of the Compass by Amplitude ⊕ observed at Sunrise													°		"	"		
												S 34 50						
Variation of the Compass by Azimuth ⊕ observed at Lat. 9 A.M. Son. W. 53° 39' E ^{sty.}												9	°	16	"	"		
Water expended during the preceding 24 hours															300 gallons.			
Water												during the preceding 24 hours				"		
Water remaining on hand fit for me at Noon															2150	"		
Coal consumed during the preceding 24 hours														tons		lbs.		
Coal remaining on hand at Noon														"		"		
P.M.																		
1	4	0	NE 1/4 E	NE	3		30.18	63	59	58	58	bc	Cir Cum	7	L			
2			Steaming around target	"	3		30.18	62	59	58	58	"	"	6	"			
3			waiting for	"	3		30.18	62	59	58	58	"	"	5	"			
4			Hartford	"	4		30.18	62	58	58	58	"	"	3	"			
5	2	2	NE	"	4		30.16	61	57	57	58	"	Cum Nimb	0	"			
	2	8	NE 1/4 E															
6	4	2	"	"	3		30.16	62	59	59	58	"	"	0	"			
7	4	2	NE	NNE	4		30.16	63	59	60	57	"	"	0	"			
8	4	4	NE 1/4 E	"	4		30.15	63	60	60	57	bc	"	2	"			
9	4	2	NE	"	4		30.15	63	60	60	57	"	"	2	"			
10	4	2	"	"	4		30.15	63	60	60	57	"	"	0	"			
11	4	2	"	"	4		30.15	63	60	60	57	om	"	0	"			
Mid.	4	2	"	"	4-5		30.14	63	60	60	57	bqm	"	0	"			
Longitude by Chronometer from Afternoon Observations ⊕													°		'	"		
Longitude by Chronometer Observations														*	°	'	"	
Variation of the Compass by Amplitude															°	'	"	
Variation of the Compass by															at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday June 6th, 1878.

[Editor's Note: The following Ordnance note was attached to the log entry for June 6, 1878.]

Expended at target practice the following articles in
Ordnance Dept of this ship.

3	XI	in shells in boxes loaded and fused.	5"
3	60 pdr.	" " " " "	5"
12	IX	in " " " " "	5"
45	lbs.	powder cannons in 15 lbs. bags	
18	"	" " " " 6 " "	
120	"	" " " " 10 " "	
3	Cartridge bags	15 lbs.	
3	"	" " 6 "	
12	"	" " 10 "	

Asa Walker
Lieut & Ordnance Officer

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday June 6th, 1878

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool and pleasant Light airs from S.S.E. & calm. Long swell from S. Ship rolling easily At 12.25 changed course to E. by N. At 12.45 sighted a revolving light bearing N. At 2.10 changed course to E. 3/4 N. Bar. steady. Steaming with four boilers Hartford on port bow. Av. steam pressure 60 lb. Rev. 30. Hydrometer 25.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy cool and pleasant. Light airs to gentle breeze from N. Long swell from S. At 6 changed course to N.E. One sail in sight on port bow. Steaming with 4 boilers. Keeping Hartford on port bow. Secured both bow and anchors for use & unbent chains. Av. steam pressure 60 lbs. Rev. 30. Density of sea water [rest of entry unreadable]

Signed J. K. Cogswell
Lieut

[Editor's Note: The following entries were obscured by the ordnance note, which was glued to the middle of the page and whose removal would have damaged the logbook.]

From 8 to Merid.

From Merid. to 4 P.M.

From 4 to 6 P.M. [First part of entry covered by ordnance note] At sunset mustered at quarters Av. steam pressure 55 lbs. Rev. 30.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant Moderate breeze from N.N.E. Bar. steady. Long swell from N.E. Steaming with 4 boilers Keeping on stbd quarter of Hartford. Ave steam pres 65 lbs. Rev. 30. Density of sea water 25.

Signed J. K. Cogswell
Lieut

From 8 to Midnight. Cloudy. Disagreeable Misty with light drizzling rain last half. Wind moderate from N.N.E. increasing last hour. Bar falling slowly. Long swell from S. & E. Steaming with 4 boilers. Av. steam pressure 65 lbs. Rev. 30. Density of sea water 24.

Signed C. K. Curtis
Lieut

Moons phase 1st qr Dir. N. 9 °.

Examined and found to be correct

Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage between Maldonado, Uruguay & Rio Janeiro. Brazil

Hour.	Knots.	Fathoms. Tenths	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	4	0	NE	NNE	4		30.13	65	59	60	65	oz		0	L	
2	3	5	"	"	4		30.13	65	59	60	65	"	"	0	"	
3	3	5	"	"	4		30.13	64	59	60	68	"	"	0	"	
4	3	5	"	"	4		30.12	64	59	60	65	"	"	0	"	
5	2	8	"	"	4		30.08	62	61	61	65	"	"	0	"	
6	3	8	"	"	5		30.08	63	61	61	65	odp	"	0	"	
7	2	5	NE 14 N	"	6		30.08	63	62	62	65	"	"	0	M	
8	2	8	NE	"	6		30.08	63	62	62	59	o	"	0	"	
9	2	0	"	"	6-7		30.07	63	62	62	59	"	"	0	R	
10	2	5	ENE	N by E	6-7		30.07	63	62	62	59	omp	"	0	"	
11	2	0	NE 1/2 E	"	6-7		30.07	63	62	62	60	"	"	0	"	
Noon.	4	0	NE by E	NNE	6-7		30.00	63	62	62	60	"	"	0	"	

Distance run by Log since preceding Noon

71 knots
Tenths
5 fathoms.

Latitude by D. R. at Noon

S. 34 ° 1 ' "

Longitude by D. R. at Noon

W. 51 ° 37 ' "

Latitude by Observations at Noon ⊕

S. 34 ° 21 ' 54 "

Longitude by Chronometer from Forenoon Observations ⊕

W. 52 ° 0 ' 30 "

Current during the time 1 knots 1 tenths
fms. per hour, setting to the

S.W. [note in left margin reads "Sg No 602"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

° " "

Variation of the Compass by Azimuth ⊕ observed at

° " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for me at Noon

1850 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P.M.

1	3	5	NE by E 1/4 E	N by E	4-6		29.98	63	63	63	61	bcm	Cum Nimb	1	R	
2	2	8	NE x E 1/2 E	"	4-6		29.98	63	62	62	61	"	"	1	"	
3	3	5	NE by E	"	4-6		29.93	63	63	63	61	"	"	1	"	
4	3	0	"	"	4-6		29.93	63	63	63	61	"	Cir Cum Nimb	2	"	
5	2	0	NE	N by W	5-6		29.95	63	63	63	61	"	"	2	"	
6	2	0	NE 3/4 E	NNW	6-7		29.94	65	65	65	61	of	"	2	"	
7	2	6	NE 1/4 E	North	6-8		29.92	65	66	66	70	ofql	Cum Nimb	0	"	
8	2	5	NE 1/2 E	"	7-9		29.92	65	66	66	70	"	"	0	"	
9	1	0	East	"	7-9		29.87	65	66	66	70	bclm	"	1	"	
10	2	0	E by N	"	7-8		29.85	65	66	66	75	"	"	7	"	
11	0	6	ENE	"	7-8		29.84	65	67	66	75	"	"	7	"	
Mid.	2	0	NE by E	"	7-8		29.86	65	67	66	75	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

* ° ' "

Variation of the Compass by Amplitude

observed at Sunset ° ' "

Variation of the Compass by

at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday June 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast & hazy with fine drizzling rain. Moderate breeze from N.N.E. Long swell. Bar. falling slowly. At end of watch Hartford on port bow. Distant 1/2 mile. Steaming 1/2 power. Av. steam pressure 60 lbs. Rev. 27.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Drizzling rain first two hours. Moderate breeze from N.N.E. increasing to fresh breeze. Steaming with 4 boilers Keeping Hartford on port bow Sea moderate Bar. steady. Av. steam pressure 65 lbs. Rev. 20. Hydrometer 22. Sighted a brigantine to S. & N.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Overcast and misty. Fresh to very fresh breeze from N. to N.N.E. Sea rough. Bar[ometer] falling rapidly At 9 Hartford made general sig. 17 & then made general signals 5961, 4826 & 2659. Ans[wered]. At 9.15 loosed top sails took two separate reefs and furled them. Set fore and aft sails At 9.45 had divisional inspection. Afterwards had fire quarters. Time. Eng. Div. 1 m 08 s. Pdr. Div. 1 [m] 12 s. 2nd Div 1 m 27 s. 1st Div. 1 m 35 s. Secured in one minute 27 sec. Got cast of deep sea lead in 3 f[athoms] [unreadable] water. Steaming with four boilers Keeping Hartford on port bow. Av. steam pressure Rev. Hydrometer 23.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy. Misty. Wind moderate to fresh from N. by E. Moderately rough sea setting to S. Bar[ometer] falling. Made telegraphic signal to Hartford. 9404, numeral 60, 9425, 2599, 1985, 106, Num. 6, 9425, 3101, 3723, 6322, 106, Num 28, 2750, 5301, 1940, 5188, 674, 564, 375, 0935, 8080, 8405, 2077, 6322, 9944, 73, 67, 2499, 106, Num 6, 6439, 1985, 8, 9425, 0868, 9310, 088, 6839, 0804. Steaming with four boilers. Av. steam pressure. Rev. 28. Density of sea water 23.

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy with passing showers of rain. Bar[ometer]. Falling. Sea rough. Wind shearing and hauling to N.W. At 4.10 Hartford made tel. sig. 9310, 0940, 6916, 9409, 0856, 5301, 6702, 2356, 2012, 6504, 0935, 6322, 8105. Exchanged Lat[itude] & Lon[gitude] with Hartford At 5.22 she made genl sig 3809. Increased distance to six cable lengths. At 5.40 took in jib At 5.46 F.T.M. stay sail tack carried away, repassed [sic] tack At 5.00 set staysail. By order of Comdr. Allen Christian (Nurse) was released from confinement and restored to duty. Steaming 1/2 power. Steam pressure 65. Rev. 25.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Overcast with frequent heavy rain squalls. Moderate gale from N. freshening latter part. Lightening to N. and to S. and W. Steam in four boilers Sea rough. Av. steam pressure 65 lbs. Rev 23. Bar. steady.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear overhead Misty around horizon and moon. Wind fresh from N. Blowing a moderate gale freshening in puffs Sea rough. Bar. beginning to rise slowly. Lightening in horizon to S. and W. Steaming with 4 boilers Keeping Hartford on port bow. Av. steam pressure 65 lbs. Rev. 21 Hydrometer 26.

Moon phase 1st qr Dec. N. 3 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage from Maldonado Uruguay to Rio Janeiro. Brazil

Hour.	Knots.	Fathoms.	WINDS.				BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1	1	5	NE by N	North	6-8	4	29.83	66	66	65	70	blqn	Cum Nimb	1	R		
2	1		NE	NNW	5-8	4	29.82	66	66	65	70	bcpdq	"	1	"		
3	1		"	"	5-7	4	29.82	66	66	67	70	opql	"	0	"		
4	1	2	"	"	3-5	4	29.82	66	67	66	70	orgl	"	0			
5	1	2	NE by E	"	5	1	29.84	66	66	66	70	orqlt	Nimb	0	M		
6	1	4	"	"	3	1	29.84	66	65	66	70	"	"	0	"		
7	1	8	"	"	4	1	29.84	66	65	66	70	"	"	0	"		
8	1	8	"	"	4	1	29.82	66	65	66	70	"	"	0	"		
9	2		NE	North	4-7		29.86	66	62	65	70	"	"	0	"		
10	3		NE 1/2 E	N by E	4-6		29.86	66	65	65	70	orq	"	0	"		
11	4		NE 1/2 E	"	3		29.85	66	65	65	69	"	"	0	"		
Noon.	3		NE by N	"	3-5		29.82	66	65	65	60	og	Cum Nimb	0	"		

Distance run by Log since preceding Noon 48 knots

Latitude by D. R. at Noon S. 33 ° 57 ' fathoms.

Longitude by D. R. at Noon W. 51 ° 18 ' fathoms.

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the ° ' "

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1	2	5	NNE 1/2 E	N by W	2		29.80	66	64	64	68	op	Cum Nimb	0	M	
2	3	5	"	"	2		29.78	66	65	65	68	"	"	0	"	
3	4	6	"	NNW	4		29.81	66	65	65	68	"	"	0	"	
4	6	2	N by E	"	4		29.81	66	65	65	68	"	"	0	"	
5	6	5	NNE 1/2 E	"	4		29.78	66	64	64	68	"	"	0	"	
6	6	0	NE by N	West	4		29.78	66	64	64	68	"	"	0	"	
7	6	6	NE by E 1/2 E	N by W	4		29.85	66	64	64	68	"	"	0	"	
8	6		"	"	4		29.85	66	64	64	68	"	"	0	"	
9	4		"	WSW	3		29.85	66	65	65	69	"	"	0	"	
10	3	5	"	"	3		29.89	67	65	65	69	"	"	0	"	
11	3		"	"	2		29.94	67	65	65	70	"	"	0	"	
Mid.	2		"	"	1		29.94	67	65	65	70	od	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday June 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and squally. Rainy last hour. Lightening on horizon to N. & W. Wind very fresh in squalls from N. shifting to N.N.W. Barometer falling Sea rough setting to S. Ship under fore storm staysail. Main trysail and spanker. Engine turning over very slowly. Steam in four boilers. Pressure 60 lbs. Rev. 25. Density of sea water 24.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast with continuous rain. Wind fresh in squalls from N.N.W. Chain lightening to S. Bar. unsettled. Sea moderating Steaming 1/2 power. Av. stm pressure 65 lbs. Rev. 25. At end of watch Hartford broad off port. Distant 6 cable lengths.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast Rainy. Squally. Fresh breeze from N. falling to moderate breeze latter part & shifting from N. by W. to N.N.W. Bar. steady last two hours. Sea moderate. Steaming with four boilers Keeping Hartford on port boilers. Av. pres. 65 lbs. Rev. 21 Hydrometer 24. At 10.20 took in fore and aft sails At 11.15 set jib many trysail and spanker.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast and light sprinkling of rain. Light breeze increasing to moderate breeze latter part and shifting from N. by W to N.N.W. Bar. steady. Sea moderate At 3 Hartford made gen. Sig. 5983. Ans[wered]. Made sail to double reefed top sails fore sail & fore & aft sails. Hartford made genl [general]. sig. 5815, 3814 & 10. Ans[wered] int[errogatory] 3166, genl. 3873 & int 3299. Hartford answered steaming with four boilers. Av. steam pressure 65 lbs. Rev. 32. Hydrometer 26.

Signed J. K. Cogswell
Lieut

From 4 to 6 P.M. Weather cloudy Wind moderate from N.N.W. shifting to W. Bar[ometer] falling. Sea moderate setting to N. & E. at 4.30 set top gallant sails. At 5 took one reef out of top sails. At 4.10 Flag Ship made genl sig. 824. Ans. At 4.30 tel. 0776, 8332, 8437, 8504, 476, 6691. Ans. At 5 made int. 5966. Flagship made 904. Steaming with 4 boilers Av. pressure 65 lbs. Rev. 25 At 5.30 set gaff top sail.

Signed C. K. Curtis
Lieut

From 8 P.M. [sic] Overcast. Wind moderate from W. Sea moderate. Bar. steady. Steaming 1/2 power. Slowing down frequently to keep position. Steam pressure 65 lbs. Rev. 25. At end of watch Hartford on lee bow. Distant 6 cable lengths. Distilling

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Overcast. Pleasant first three hours. Light sprinkling rain last hour. Gentle breeze from W.S.W. falling to light airs. At 8.45 hauled down fore topmast staysail. Under steam and sail. Keeping Hartford on starboard bow. Av. steam pressure 60 lbs. Rev. 20. Bar. rising. Sea moderate.

Signed C. B. T. Moore
Ensign

Moon phase 2nd qr Dec. S. 2°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage from Maldonado Uruguay to Rio de Janeiro. Brazil

Hour.	Knots. Fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	1	5	NNE 1/2 E	WSW	1-4		29.93	67	65	65	70	odm	Cum Nimb	0	L	Jib foresail single
2	1	8	North	"	1-2		29.93	67	65	65	70	"	"	0	"	reefed topsails try
3	1	2	NNW	"	1-2		29.90	67	65	65	69	om	"	0	"	sails and spanker
4	0	5	North	South	3-4		29.90	67	66	66	69	"	"	0	"	Same with whole
5	1	0	SE	"	3		29.90	67	66	66	69	"	"	0	"	Try sails T. G. sails
6	2	0	NNE	SE	3		29.90	67	66	66	69	"	"	0	"	And foresail
7	2		NNE 1/2 E	ESE	3		29.90	67	66	66	69	"	"	0	"	
8	1	5	"	"	3		29.90	67	66	66	69	"	"	0	"	
9	3	5	NNE 3/4 E	SE	3-4		29.95	65	65	64	69	"	Nimb	0	"	Topsails fore stay
10	5		NNE 1/2 E	"	3-4		29.95	65	65	64	69	"	"	0	"	staysail and royals
11	5		"	"	3-4		29.94	65	65	64	69	"	"	0	"	
Noon.	4		"	"	3-4		29.93	65	65	64	69	"	"	0	"	

Distance run by Log since preceding Noon

85 knots
Tenths
9 fathoms.

Latitude by D. R. at Noon

South 33 17

Longitude by D. R. at Noon

West 50 11

Latitude by Observations at Noon ⊕

o

Longitude by Chronometer from Forenoon Observations ⊕

o

Current during the time knots fms. per hour, setting to the

[note in left margin reads "Sg No 602"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

o

Variation of the Compass by Azimuth ⊕ observed at

o

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

400 "

Water remaining on hand fit for me at Noon

1700 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P.M.

1	4	4	NNE 1/2 E	SE by E	4		29.92	65	65	65	68	oc	Nimb	0	M	Same
2	5	0	"	"	4		29.90	65	65	65	68	"	"	0	"	single reefed tops.
3	5	7	"	SE	5		29.90	65	64	64	67	"	"	0	"	jib foresail F.T.M.
4	6	3	"	"	5		29.90	65	63	64	67	or	"	0	"	staysail main tops
5	6	8	"	"	5-6		29.90	65	64	64	68	"	"	0	"	spanker
6	5	5	NE	"	5		29.92	65	64	64	68	"	"	0	"	
7	4	0	NNE 1/2 E	SSE	4		29.90	65	64	64	68	f	"	0	"	Same.
8	4	0	"	S by E	4		29.90	66	64	64	68	"	"	0	"	
9	5	0	"	SE by S	4		29.92	66	64	64	69	of	"	0	"	
10	4	5	"	"	4		29.93	66	64	64	69	oc	"	0	"	
11	4	5	"	"	4		29.93	66	64	64	69	"	"	0	"	Same.
Mid.	4	5	"	"	4		29.95	66	64	64	65	vc	"	0	"	

[Note in left margin reads: Lat S. 33° Long W. 50°]

Longitude by Chronometer from Afternoon Observations ⊕

o

Longitude by Chronometer Observations

*

Variation of the Compass by Amplitude

observed at Sunset

o

Variation of the Compass by

at

o

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday June 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and misty Drizzling rain. Light airs to light breeze first part from W.S.W. increasing to gentle breeze latter part from S. At 2 clewed up top gallant sails & foresail afterwards took in spanker. Main trysail to keep in position. Lost sight of Hartford at 3.15 on starboard quarter. Steaming with 4 boilers Av. press. 60 lbs. Rev. 24. Hydrometer 26. At 3.30 steamed towards the Hartford and got in position.

Signed J. K. Cogswell
Lieutenant

From 4 to 8 A.M. Weather cloudy and disagreeable. Misty. Drizzling rain last half of watch. Bar. steady. Long swell from S. At 6.15 shook out reefs in top sail set top gallant sheets hauled up fore sail to keep in position. Fires in four boilers Av. steam pressure 65 lbs. Rev. 22 Distilling. Density of sea water 25.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy with passing showers. Wind light to moderate from S. E. At 8.20 set T. G. sails fore sail main trysail and spanker Hauled down jib for repair At 9.50 made tel[egraphic] sig[nal] to Hartford 0970, 8191, 9927, 0776, 8258, 901, 09, 808, 106, 3820. Bar[rometer] falling slowly last hour. At 10 set jib At 10.20 called all hands to muster. Read articles of war. Comdr read prayers and mustered crew. T. G. sails clewed down greater part of watch to keep in position Propeller uncoupled. Steam in four boilers Av. press. 50 lbs. At end of watch Hartford on lee bow. Distant 1 mile Distilling. Fore storm staysail loosed today.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast. Raining. Moderate to stiff breeze from S.E. by E.S.E. At 12.30 exchanged Lat. Long with Flag Ship. Flag Ship on weather bow. Fires in four boilers Av. press. 50 lbs. Distilling. Density of sea water 26 By order of Comdr. Anthony W. Fadden & James Gilesie O.S. were given 3 days extra duty for fighting.

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Overcast and rainy. Moderate to stiff breeze from S.E. Bar. rising slowly. Sea moderate At 5 took in royals, T. G. sails and stowed flying jib At 5 Flag Ship made tel[egraphic] sig. 9142, 7288, 0868, 0812. Ans. Took position on starboard qr [quarter]. of Hartford. Fires in four boilers Av. steam press 50 lbs. Distilling. Density of sea water 26 At 5 took a reef in topsails.

Signed J. K. Cogswell
Lieut

From 6 to 8 P.M. Overcast and cloudy. Wind moderate from S.S.E. and S. by E. Bar. falling Sea smooth Steam in four boilers Av. press. 50 lbs. Distilling. Density of sea water 26.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast until last hour when commenced clearing. Wind moderate from S.E. by S. Sea smooth. Bar. rising. Reducing and making sail frequently to keep in position At end of watch Hartford on lee bow, distant 1 mile Density of sea water 26. fall of 4° in temperature of sea water last hour of watch. Fires in four boilers Av. press. 50 lbs. Distilling.

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage from Maldonado, Uruguay to Rio Janeiro. Brazil

Hour.			WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	4	0	NNE 1/2 E	SSE	3		29.95	65	64	64	66	bc	Cum Nimb	7	M	
2	3	2	"	S by E	3		29.97	66	64	64	66	o	"	0	"	
3	2	6	"	South	2		29.97	66	64	64	65	"	"	0	"	
4	2	4	"	"	2		29.96	66	64	64	65	"	"	0	"	
5	3	0	"	"	3		29.95	66	64	64	65	"	"	0	"	
6	3	2	NNE 3/4 E	"	3		29.99	66	64	64	65	"	"	0	"	
7	3	6	NNE 1/2 E	SSW	3		30.00	66	64	65	68	"	"	0	S	
8	3	4	"	"	2		30.03	66	65	65	68	bc	Cir Cum	8	"	
9	4	2	"	"	2-3		30.02	66	67	65	68	"	"	8	"	
10	4		"	S by W	2-3		30.02	65	67	66	68	"	"	8	"	
11	3		"	"	2-3		30.03	65	57	66	68	"	"	8	"	
Noon.	2	5	"	SSW	2		30.03	65	67	67	68	"	"	8	"	

Distance run by Log since preceding Noon

99 knots

Tenths
3 fathoms.

Latitude by D. R. at Noon

South 31

55 ' 30 "

Longitude by D. R. at Noon

West 49

4 ' "

Latitude by Observations at Noon ⊕

S. 32

17 ' 28 "

Longitude by Chronometer from Forenoon Observations ⊕

W. 49

17 ' 30 "

Current during the time knots fms. per hour, setting to the

[note in left margin reads "Sg No 603"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

o

"

Variation of the Compass by Azimuth ⊕ observed at 9 A.M. Lat 32° 25'

Long W. 49° 24'

E 4

40 " "

Water expended during the preceding 24 hours

300 gallons.

Water Condensed during the preceding 24 hours

400 "

Water remaining on hand fit for me at Noon

2400 "

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	2	8	NNE 3/4 E	SW	2		30.02	67	67	66	70	bc	Cir Cum Nimb	1	S	
2	3	2	NNE 1/2 E	"	2		30.01	66	66	66	69	of	"	0	"	
3	4	5	"	"	4		30.01	66	66	66	69	bc	"	2	"	
4	6	0	"	"	5		30.01	65	65	65	69	"	"	2	"	
5	6	0	"	"	4		30.04	65	65	65	69	"	"	5	"	
6	5	8	NNE	WSW	4		30.03	65	65	64	69	"	"	2	"	
7	6	0	NNE by E	"	4		30.03	66	64	63	69	"	"	1	"	
8	6		NNE	"	4		30.05	66	64	63	69	"	"	1	"	
9	5	"	NNE 1/2 E	SW	3-4		30.05	66	64	64	69	"	"	3	"	
10	5	5	"	"	4		30.05	66	64	63	69	"	"	6	"	
11	6		"	"	4		30.05	66	64	63	69	"	"	5	"	
Mid.	5	1	"	SSW	4		30.05	66	65	64	69	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊕

o

"

Longitude by Chronometer Observations

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o

"

Variation of the Compass by Amplitude

observed at Sunset

o

"

Variation of the Compass by

at

o

"

under the command of Commander W. Scott Schley, U. S. Navy.
Monday June 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first hour. Overcast remainder of watch Gentle to light breeze from S.S.E. shifting to S. At 1.55 took in main trysail At 1.45 took in spanker. At 4.50 set main top gallant sail Bar. steady last three hours. Fires banked in four boilers Distilling. Hartford on port bow.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast first part Clear last hour. Pleasant. Light to gentle breeze from S. first part and from S.S.W. latter part of watch. Bar. rising slowly Set Flysails royals & flying jib. At 8 shook reefs out of topsails Fires banked in 4 boilers. Av. press 50 lbs. Distilling Hydrometer 26.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Clear & pleasant. Wind light from S.S.W. & S. by W. Bar. steady. Sea smooth At 9.15 inspected at quarters At 9 made inter. 2121 Flag Ship answered 9904 Banked fires Av. press 25 lbs. Density of sea water 26

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy. Pleasant Light breeze from S.S.W. increasing to stiff breeze from S.W. Furled main sail Set gaff topsail main try sail and spanker. At 12.20 Flag Ship made 32° 15' S. Lat 49° 22' W. Lon. "Essex" made 32° 17' S. Lat +49° 17' W. Long. Took in main trysail & fore topmast staysail. Flag Ship on port bow. Distance 1/2 miles. Sighted a full rigged brig standing to W. Fires banked in 4 boilers Av. press. 25 lbs. Distilling. Hydrometer 28.

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy. Pleasant. Moderate breeze from S.W. shifting to W.S.W. At 1.20 made tel[egraphic] signal 8725, 9204, 9279, 6691, 6860, 7565, 6862, 6439, 3478. At 4.45 set main trysail. At sunset mustered at quarters. At 5.35 took in royals and flying jib. Took a single reef in topsails Fires banked in 4 boilers Distilling.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Moderate breeze from W.S.W. Sea smooth Bar. steady Keeping Hartford on lee bow. Fires banked in four boilers Av. steam press. 25 lbs Distilling

Signed J.K. Cogswell
Lieut

From 8 P.M. to Mid. Partially cloudy. Pleasant. Wind moderate from S.W. & S.S.W. Bar. steady Sea smooth At 11 clewed down T. G. sails to keep in position At 11.10 clewed them up Fires banked in 4 boilers Distilling. Density of sea water 27. At 11.10 took in main trysail and gaff topsail

Signed C. K. Curtis
Lieut

Moon phase 2nd qr. Dec. S. 16 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage from Maldonado Uruguay to Rio de Janeiro Brazil

Hour.	Knots. Fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	4	2	NNE 1/2 E	SW	3-4		30.05	66	65	64	71	bc	Cir Cum	3	M	Main top gallant sails
2	4	2	"	"	4		30.05	66	65	64	71	"	"	3	"	Reefed topsails, foresails
3	5	0	"	"	5		30.05	66	65	64	71	"	Cum Nimb	4	"	and spanker
4	6	0	"	"	6		30.05	66	65	64	71	"	"	0	"	
5	6	2	"	"	6		30.04	67	66	65	71	op	"	0	"	T. G. sails Topsails
6	6	3	"	"	5		30.04	67	66	65	71	"	"	0	"	foresail jib and spanker
7	6	1	"	"	6		30.03	67	66	64	71	o	"	2	"	
8	6	5	"	"	6		30.08	67	64	65	71	ocp	"	0	"	Same with fore
9	6	5	"	"	4-5		30.09	66	64	64	70	op	"	1	"	topmast staysail
10	6	2	"	"	4-5		30.10	66	65	65	68	vcp	Cir Cum	4	"	
11	6	8	"	SSW	5		30.10	66	66	65	67	vc	"	9	"	
Noon.	6	4	NNE 3/4 E	"	5		30.10	66	67	66	67	"	"	8	"	

Distance run by Log since preceding Noon

132 knots
7 fathoms.

Latitude by D. R. at Noon

South 30 ° 25 ' 34 "

Longitude by D. R. at Noon

W 47 ° 55 ' 30 "

Latitude by Observations at Noon ⊕

South 30 ° 32 ' 30 "

Longitude by Chronometer from Forenoon Observations ⊕

W 48 ° 9 ' "

Current during the time knots 7 tenths fms. per hour, setting to the S.W. by W 1/4 W

[note in left margin reads "Sg No 603"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

° " "

Lat S. 39° 49'

Variation of the Compass by Azimuth ⊕ observed at 9 A.M. Long. W. 48° 21' } Easty

3 ° 20 " "

Water expended during the preceding 24 hours

300 gallons.

Water distilling during the preceding 24 hours

600 "

Water remaining on hand fit for me at Noon

2700 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P.M.

1	6	4	NNE 1/2 E	SW by S	4-5		30.10	66	67	66	67	bc	Cir Cum	7	M S
2	5	5	"	"	4-5		30.07	66	68	67	67	"	"	4	"
3	5	5	NNE 3/4 E	SSW	5		30.05	66	67	66	67	"	"	3	"
4	5	5	"	"	5		30.05	66	67	66	67	"	"	5	"
5	5	6	"	"	5-6		30.05	66	65	64	69	"	"	4	"
6	6	2	NE by W	"	5-6		30.05	66	65	64	71	"	"	4	"
7	5	0	NE 3/4 N	"	6		30.12	67	65	64	71	"	"	4	"
8	2	6	NE by N	"	5-6		30.12	67	65	64	70	"	"	5	"
9	2	8	NNE 3/4 E	"	4		30.13	67	64	64	73	"	"	9	"
10	4		NE by N	"	4		30.	68	64	64	73	"	"	9	"
11	3		NE 3/4 N	"	3		30.	68	65	64	73	"	"	9	"
Mid.	2	8	NE by N	"	3		30.	68	65	64	73	"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

* ° ' "

Variation of the Compass by Amplitude

observed at Sunset ° ' "

Variation of the Compass by

° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday June 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially clear. Pleasant. Bright moonlight last part. Cir. Cum Nimb clouds Took in and made sail as required to keep in position. At 3 moon set Hartford broad off lee bow, distant 1 mile Drizzling rain last hour. Density of sea water 27. Fires banked in four boilers Av[erage]. steam pressure 25 lbs. Distilling.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast with frequent passing showers. Fresh breeze from S.W. Sea moderate. Ship rolling easily. At 4.05 set main top gallant sail At 6 set F[ore]. T[op]. G[allant]. sail At 7.30 shook reefs out of topsails. Hartford on lee bow. Distant 1 mile Fires banked in 4 boilers Distilling. Hydrometer 28.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy first part with frequent passing Clear and pleasant latter part. Moderate to stiff from S.W. to S.S.W. Sea moderate Long heavy swell from S. At 9.30 inspected at quarters At 10.30 made tel[egraphic] sig. to Hartford 706, 6839, 0746, 5610, 0856, 8309. At 11 set foresail Fires banked in 4 boilers Av[erage]. steam press 25 lbs. Hartford on lee bow. Hydrometer 28. Distilling.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy. Pleasant. Moderate to fresh breeze from S.W. by S. Bar[ometer] falling sea moderate setting to N. & E. At 12.30 exchanged Lat and Long with Hartford At 1 made tel. 0035, 6212, 9409, 4892, 4060, 9944 Num 2, 6839, 6574, Num 4, 1053, 817, 9, 119, 8554, Num 2, 9425, 3101, 9944, 7657, 2801. Flag Ship made 3503, 0088, 3891, 684, 3009, 5301, 8541, 5212, 6532 At 1.50 Hartford made 904. At 1.35 Essex made 15 Tel. 48. At 1 hauled down fore top mast staysail and set flying jib At 1.30 took in T. G. sails to keep in position. Fires banked in two boilers (Nos 6 & 8) Long swell from S. Ship rolling deep but easily.

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Partially clear fresh wind from S.S.W. Ship rolling through about 25° Moonlight. At 5.15 took single reef in topsails and set top gallant sails Fires banked in two boilers Distilling. Av. stm[steam]. ps[pressure] 25 lbs. Density sea water 28°. At sunset mustered at quarters.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Clouds and pleasant. Fresh breeze from S.S.W. Sea moderate. Ship rolling deeply. At 6.10 clewed up fore T. G. sail. Hartford on stbd[starboard] beam ahead of watch. Fires banked in two boilers Distilling. Hydrometer 28°.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Moderate breeze first part Gentle breeze latter part from S.S.W. Sea moderate Long heavy swell from S. and E. Maximum roll 25° At 9.30 set fore sail and fore T. G. sail Fires banked in two boilers. Distilling.

Signed J. K. Cogswell
Lieut

Moon phase 2nd qr. Dec. S. 21°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Hour.			WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1	2	2	NE by N	SSW	2		30.10	65	66	66	73	vc	Cum	9		M
2	1	5	"	"	1-2		30.09	68	65	65	73	"	"	9		"
3	2	0	NE 1/2 N	"	1-2		30.09	68	65	65	73	"	"	8	"	reefed topsails and
4	1		"	SW	1-2		30.09	68	65	65	73	"	"	6	"	jib
5		5	NE by N	"	0-1		30.10	67	65	64	73	"	Cir Cum	8	S	
6		5	"	"	0-1		30.13	67	65	65	73	"	"	8	"	Same
7		5	"	"	0-1		30.13	67	67	65	73	"	"	8	"	
8			No steerage way	"	0-1		30.15	67	69	66	73	"	"	8	"	
9				Calm	0		30.17	67	69	68	73	"	"	8	"	All plain sails
10		2	NE by N	"	0		30.20	67	69	68	73	"	"	8	"	except mainsail
11			No steerage way	SE	0-1		30.20	67	70	70	73	"	"	8	"	
Noon.				"	0-1		30.20	68	70	70	74	"	"	8	"	

Distance run by Log since preceding Noon	66 knots	Tenths	
Latitude by D. R. at Noon	S 29 °	37	55 "
Longitude by D. R. at Noon	W 47 °	24	40 "
Latitude by Observations at Noon ⊕	S 29 °	42	54 "
Longitude by Chronometer from Forenoon Observations ⊕	W 47 °	23	"
Current during the time knots			
Variation of the Compass by Amplitude ⊕ observed at Sunrise			[note in left margin reads "Sg 614"]
	Lat S. 29° 43'		
Variation of the Compass by Azimuth ⊕ observed at 9 A.M. Long W. 47° 28' }	E 2 °	30	"
Water expended during the preceding 24 hours			300 gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2400 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.																
1			No Steerage Way	Calm	0		30.18	69	71	70	71			8		Same with flying jib
2				E	0-1		30.18	69	70	69	75	"	"	9	"	spanker and gaff
3				ENE	0-1		30.17	69	71	70	73	"	"	9	"	Topsail
4	1	6	N by W	NE by E	1		30.17	69	71	70	73	"	"	9	"	
5	2	2	NNW 1/2 W	NE	1-2		30.17	69	69	70	73	"	"	7	"	All plain sail single
6	1	8	NNW	"	1-2		30.19	68	68	68	72	"	"	7	"	reefed topsails
7	1	5	N by W	NE by E	1-2		30.20	68	68	68	73	"	"	7	"	
8	3		"	"	3		30.22	68	68	67	73	"	"	7	"	All plain sail
9	4	1	NNW	NE by N	3		30.24	69	68	68	73	"	"	8	"	to T. G. sails except
10	4		NW by W	N by E	3		30.24	69	68	68	75	"	"	3	"	reef in main sail
11	2	3	NW	NNE	4		30.24	69	69	69	73	"	"	4	"	and gaff topsail
1	1	2														
Mid.	1	5	NW 3/4 W	NE by N	4		30.24	69	70	69	73	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊕			
Longitude by Chronometer Observations	*		
Variation of the Compass by Amplitude	observed at Sunset		
Variation of the Compass by	at		

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday June 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind light S.S.W. & S.W. Moderate swell from S. and E. Ship rolling deeply at times. Bar[ometer] falling slowly. At 1.50 set royals Fires banked in two boilers. Density of sea water 27.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear and pleasant. Light airs from S. and W. Cir. Cum. clouds At 4.10 moon set Fires banked in two boilers Av[erage] stm [steam] pr. [pressure] 25 lbs Distilling Density sea water 28. At end of watch Hartford 2 points for'd port beam. Distance 4 miles.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear and pleasant. Warm. Calm and light airs from S.E. Long swell from S. Ship rolling deeply. At 8.10 shook reefs out of topsails At 9.15 inspected at quarters. At end of watch Hartford on port bow. Distant 5 miles. Fires banked ~~about~~ in two boilers Hydrometer 28. By order of Comdg. Officer Geo. W. King (W.O.C.) was given 1 extra mid watch for disobeying orders

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Calm first part. Light airs latter part from N. & E. Sea smooth. Long heavy swell from S. and E. Took single reef in mainsail and set it Set flying jib. At 2.30 sighted a steamer which bore N. At end of watch Hartford on weather bow distant 3 1/2 miles Fires banked in two boilers Hydrometer 28.

Signed J. K. Cogswell
Lieut

From 4 to 6 P.M. Clear and pleasant. Light airs from N.E. Bar rising slowly. Long swell from S & E. At sundown mustered at quarters Fires banked in two boilers Density of sea water 27.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear and pleasant Light breeze from N.E. by E. Cir Cum clouds Set fore top mast staysail at 7.10 Moonlight Fires banked in two boilers Stm pr 10 lbs. Hartford 2 pts on starboard beam distant 2 miles Close hauled stbd tack.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear first hour. Cloudy remainder of watch. Gentle to moderate breeze varying from N.E. to N.E. by N. Sea moderate. At 9.30 took in royals and flying jib. At 10.15 and 10.45 tacked ship. At end of watch Hartford ahead about 3 miles Fires banked in two boilers Hydrometer 28.

Signed C. B. T. Moore
Ensign

Moon phase 2nd qr. Dec. S. 24°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Maldonado Uruguay to Rio de Janeiro Brazil

Hour.	Knots. Fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	4	8	NW	NNE	4		30.26	71	70	69	69	bc	Cir Cum	5	M	Jib fore sail single
2	5	5	NW 3/4 W	"	5		30.26	71	70	68	69	"	"	9	"	reefed topsails8
3	5	6	NW 1/2 W	"	5		30.24	71	70	68	69	"	"	9	"	mainsail and spanker
4	4	0	"	"	5		30.24	71	70	68	69	"	"	9	"	
5	2	5	NW by W	"	5-6		30.24	71	70	68	69	"	"	9	"	Same except main
	2	5	East	"								"	"			
6	5	5	E 1/2 S	"	5-6		30.24	71	70	68	69	"	"	9	"	sail
7	6		ESE 1/2 E	"	5-6		30.24	71	70	69	69	"	"	9	"	
8	6	8	E 1/2 S	"	0		30.26	71	70	70	72	"	"	9	"	Same with main
9	5	0	E by N	"	6		30.29	71	70	69	72	"	"	9	"	sail and topsail
10	4	0	ENE 1/2 E	N by E	6		30.30	71	70	69	72	"	"	8	"	
11	5	0	E by N	"	6		30.30	71	70	69	72	"	"	8	"	
Noon.	5	5	"	"	5		30.30	72	71	69	72	"	"	9	"	Plain sail to topsails

Distance run by Log since preceding Noon 83 knots fathoms.

Latitude by D. R. at Noon S 29 ° 5 ' 24 "

Longitude by D. R. at Noon W 47 ° 2 ' "

Latitude by Observations at Noon ⊕ S 29 ° 19 ' 45 "

Longitude by Chronometer from Forenoon Observations ⊕ W 47 ° 27 ' "

Current during the time 1 knots fms. per hour, setting to the S.W. by W [note in left margin reads "Sg °614"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° "

Variation of the Compass by Azimuth ⊕ observed at ° "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 2100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1	5	6	E 3/4 N	"	5		30.26	71	72	70		"	"	9	M	Foresail main topgallant
2	4	7	"	NNE	5		30.24	71	72	70		"	"	8	"	staysail mainsail
3	6	2	SE 3/4 E	North	5		30.24	71	72	70		"	"	9	"	
4	5	8	E by S	"	5		30.24	71	72	70		"	"	9	"	Same with main
5	5	2	E	"	5		30.25	71	71	70		"	"	7	"	T. G. sail
6	4	8	"	"	5		30.25	71	71	70		"	"	6	"	
7	2	2	ESE	NE by N	5-6		30.25	71	71	70		"	"	5	"	Single reefed top
	2		SE 1/2 E	"								"	"			
8	3	5	"	"	5-6		30.25	71	71	70		"	"	5	"	Jib fore topmast
	3		SE by E	"								"	"			
9	6	5	E by S	"	6		30.23	71	70	70		bcm	"	5	"	staysail and
			E by S	"								"	"			
10	4		"	"	5-6		30.23	71	70	69		vc	"	5	"	spanker
			"	"								"	"			
11	3	2	"	"	5-6		30.23	71	70	69		"	"	6	"	
			"	"								"	"			
Mid.	2	2	E 1/2 S	"	5-6		30.23	71	70	69		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday June 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Moderate to stiff breeze from N.N.E. Sea moderate At 2.30 took in T. G. sails. Geo. W. Kiuy W.O.C. 4 hrs extra duty by order of Comdr. Keeping in wake of Hartford 1/2 mile astern Fires banked in two boilers. Hydrometer 27.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Clear and pleasant. Wind moderate to fresh from N.N.E. Bar[ometer] rising Sea moderate. At 4.30 took in mainsail and wore ship to S. and E. At 6.45 set main sail At 7.30 set main T.G. sail Fires banked in two boilers Density sea water 27.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear and pleasant. Fresh breeze from N. by E. At 8.15 set fore T. G. sail At 8.40 took in and furled T. G. sails and luffed to until 10 to keep in position. Rove off new main clew garnets Fires banked in two boilers. Density sea water 28. Close hauled port tack Commenced distilling at 11.00 At end of watch Hartford on lee bow. Distant 4 miles

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant stiff breeze varying from N. to N.N.E. At 12.30 exchanged Lat and Long with Flag Ship At 1.15 made tel[egraphic] sig[nal]. To Flag Ship 8332, 9, 5118, 0940. Flag Ship ans[wered] and made 6075, 2737, 0970, 4079. At 1.50 took single reef in topsails Engaged in reefing new running rigging At end Hartford broad of lee bow. Distant 4 miles Fires banked in two boilers Hydrometer 28 Distiller in operation

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Stiff breeze from N. by E. Sea moderate At 5 took second reef in topsails. At 5.20 mustered at quarters Flag Ship on lee beam distant 3 1/2 miles Fires banked in two boilers. Hydrometer 28. Distilling

Signed J. K. Cogswell
Lieut

From 6 to 8 P.M. Partially cloudy pleasant. Wind fresh from N.E. by N. Bar steady Sea moderate At 6.30 set main T. G. sail. Fires banked in two boilers. Density sea water 27. Distiller in operation

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Clear and pleasant. Fresh breeze from N. and E. Cir Cum clouds. Bright moonlight. At 8.30 shook reefs out of topsails and took in main T. G. sail. At 9.30 hauled up courses to keep in position Fires banked in two boilers Av[erage] pressure 20 lbs At end of watch Hartford on starboard bow distant 1 mile Density sea water 28. Distilling

Signed Saml. C. Lemly
Ensign

Moon phase 2nd qr. Dec. S. 27 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Maldonado Uruguay to Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	WINDS.		Force.	BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	2	5	ESE 1/2 E	NE by N	6		30.25	72	70	70	72	vc	Cir Cum	3	M	Single reefed top courses
2	2	8	"	"	6		30.25	72	70	69	72	"	"	2	"	jib fore top mast staysail
3	2	5	E by S	"	6		30.24	72	70	69	71	"	"	3	"	and spanker
4	2	5	"	"	5		30.24	72	70	69	71	"	Nimb	2	"	
5	2	8	"	"	5		30.24	72	70	69	71	"	"	1	"	
6	2	0	NW by N	"	6		30.22	72	70	69	71	"	"	2	"	Same
7	3	0	NW 1/2 N	"	6		30.22	72	70	69	71	o	"	0	"	
8	1	8	"	"	2		30.22	72	71	70	71	op	"	0	"	
9	2	5	"	"	3		30.22	72	71	71	71	o	"	0	"	Same except F.T. M.
10	3	5	WNW 1/2 W	North	4		30.22	72	72	70	71	vc	"	2	"	staysail
11	3	0	W by S	"	4-5		30.21	72	72	71	71	"	Cir Cum Nimb	4	"	
Noon.	4	5	W 3/4 N	N by E	5-6		30.19	72	72	71	71	"	"	4	"	

Distance run by Log since preceding Noon

94 knots

Tenths fathoms.

Latitude by D. R. at Noon

South 29

39

30

Longitude by D. R. at Noon

West 46

40

"

Latitude by Observations at Noon ⊕

South 29

48

50

Longitude by Chronometer from Forenoon Observations ⊕

West 46

54

"

Current during the time 1 knots fms. per hour, setting to the

W.S.W.

[note in left margin reads "Sg No 614"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

o

"

"

Variation of the Compass by Azimuth ⊕ observed at 9 A.M. Lat S 39° 48' Long W. 46° 39'

E 2

30

"

"

Water expended during the preceding 24 hours

200 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for me at Noon

1900

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	5	3	W 1/2 N	N	6-7	1	30.17	72	72	71	71	vc	Cir Cum Nimb	5	M	Single reefed topsails
2	5	8	"	"	6-7	1	30.17	72	72	71	72	"	"	5	"	courses jib and
3	3	4	"	"	6	1/2	30.12	73	73	72	72	"	"	4	"	spanker.
4	3	8	"	"	6	1/2	30.12	73	73	72	72	"	"	5	"	
5	4	2	"	"	6		30.10	72	72	71	72	"	"	3	"	Double reefed topsails
6	4	8	W by N	"	6		30.10	72	72	71	73	"	"	5	"	courses jib and
7	3	1	WNW 1/2 W	"	6-7		30.10	73	72	70	73	"	"	5	"	spanker
8	3		"	"	6-7		30.10	73	72	70	73	"	"	6	"	
9	2		NNW 1/2 W	N by W	6	1	30.10	73	73	72	74	"	"	5	"	
10	3		ENE	"	6	1/2	30.09	73	73	70	74	"	"	5	"	Same
11	4		"	"	6-7	1/2	30.07	73	73	71	74	"	"	5	"	
Mid.	4	0	NE x E 1/2 E	"	6-7	1/2	30.07	73	72	71	74	"	"	5	"	Same

Longitude by Chronometer from Afternoon Observations ⊕

o

"

"

Longitude by Chronometer Observations

*

o

"

Variation of the Compass by Amplitude

observed at Sunset

o

"

Variation of the Compass by

at

o

"

under the command of Commander W. Scott Schley, U. S. Navy.
Friday June 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Pleasant. Moonlight. Fresh breeze from N.E. by N. at 12.45 set foresail At 1.15 took in foresail At 1.35 set foresail At 3.53 set main sail At end of watch Flag Ship 1 pt. on lee bow. Distant 2 miles Fires banked on two boilers Distiller in operation. Hydrometer 28.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant Stiff to fresh breeze first part Gentle breeze latter part from N.E. by N Sea moderate Light sprinkling of rain latter part of watch. At 5 wore ship Keeping on weather quarter of Hartford distant 3/4 mile. Fires banked in two boilers Distilling Hydrometer 28 High dawn with dark coffee colored clouds. Passing from N.N.W. to S.S.E. Long swell from S.E.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Partially cloudy. Pleasant wind from N. to N. by E. Bar[ometer] falling Sea moderate At 9.15 inspected at quarters immediately after exercised at fire quarters At 10.30 hauled down F.T.M. staysail Fires banked in 2 boilers Hydrometer 28.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Pleasant Very fresh breeze from N. At 12.40 exchanged Lat and Long with Hartford At 2.10 hauled up courses to keep position At 2.40 set foresail Fires banked in 2 boilers pressure 25 lbs. Distilling. At end of watch Hartford on lee bow distant two miles

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy. Pleasant Fresh breeze from N. At 4.35 set mainsail At 4.45 took in spanker. At 5 set spanker. At 5.10 took second reef in topsails At sunset mustered at quarters At end of watch Flagship broad off lee bow distant 2 1/2 miles Fires banked in two boilers. Distilling. Hydrometer 28.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant Fresh to very fresh breeze from N. Sea moderate Long heavy swell from N.W. At 5.45 clewed up mainsail to keep in position Hartford on lee bow distant Fires banked in two boilers. Distilling. Hydrometer 28.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Partially cloudy. Pleasant. Wind fresh from N. by W. Bar. falling Sea smooth At 9 wore ship to N. and E. Fires banked in two boilers. Distilling Density sea water 27

Signed C. K. Curtis
Lieut

Moon phase 2nd qr. Dec. S. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Maldonado Uruguay to Rio de Janeiro Brazil

		WINDS.					BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.				
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.										
A.M.																					
1	4	5	ENE	N by W	6-7	1	30.07	72	71	70	72	bc	Cir Cum	6	M	Double reefed topsails					
2	5		"	"	6-7	1	30.05	72	71	70	72	"	"	7	"	Foresail jib and					
3	5		"	"	6-7	1	30.03	72	71	70	72	"	"	6	"	spanker					
4	4	5	NE by E 1/2 E	"	5-6	1	30.03	72	71	70	72	"	"	6	"						
5	3	2	"	NNW	6-7	1/2	30.02	72	72	71	72	"	Cir Cum Nimb	3	"	Same					
6	3	4	"	"	6-7	1/2	30.02	72	72	71	72	"	"	3	"						
7	3	5	"	"	6-7	1/2	30.02	72	72	71	72	"	"	5	"						
8	3	5	NE by E 1/2 E	"	5-6	1/2	30.02	72	72	71	72	"	Cir Cum	5	"						
9	3	4	NE	"	5-6	2	30.05	72	71	70	71	"	"	1	"	Jib courses single					
10	3	4	"	"	5-6	1	30.05	72	71	70	71	"	"	2	"	reefed tops.					
11	3	3	NE 1/2 E	"	5-6	1	30.03	72	71	70	71	o	"	0	"	and spanker					
Noon.	4	8	NE by E 1/2 E	"	5-6	1	30.03	72	71	70	71	"	"	0	"						
Distance run by Log since preceding Noon												98 knots		2 fathoms.							
Latitude by D. R. at Noon												South 29	o	26	'	30	"				
Longitude by D. R. at Noon												West 46	o	29	'		"				
Latitude by Observations at Noon ☉												South 29	o	40	'	21	"				
Longitude by Chronometer from Forenoon Observations ☉												West 46	o	37	'		"				
Current during the time		0	knots	6	tenths fms. per hour, setting to the	S.S.W. 1/2 W.															
Variation of the Compass by Amplitude ☉ observed at Sunrise												o		"		"	[note in left margin reads "Sg No 614"]				
Variation of the Compass by Azimuth ☉ observed at												o		"		"					
Water expended during the preceding 24 hours												300 gallons.									
Water				during the preceding 24 hours								"									
Water remaining on hand fit for me at Noon												2200						"			
Coal consumed during the preceding 24 hours												tons		lbs.							
Coal remaining on hand at Noon												"		"							
P.M.																					
1	4		NE by E	NNW	5-6		30.00	72	72	70	71	bc	Cir Cum	2	M						
2	3		"	"	5		29.99	72	73	71	70	"	"	3	"	Same with					
3	3		NE 1/2 E	"	3-5	1	29.96	72	73	71	70	"	"	3	"	whole topsail					
4	2		NE	"	3-4	2	29.96	72	72	70	70	"	"	3	"						
5	2		"	"	3-4	1/2	29.96	72	72	71	70	"	"	5	"						
6	1	8	"	"	3		29.96	72	71	69	70	"	"	6	"	Same					
7	1	3	NE 1/4 E	"	4		29.96	72	70	69	70	"	"	5	"						
8	1	3	"	"	4		29.96	72	70	69	70	"	"	5	"						
9	1	5	NE 1/2 E	"	3		29.96	72	70	69	70	"	"	2	"						
10	1	8	NE by E	"	3		29.98	72	70	69	72	"	"	2	"	Same					
11	2	5	NE 1/2 E	"	3		29.98	72	70	69	72	"	"	1	"						
Mid.	1	5	NE 3/4 E	"	3		29.98	72	70	69	72	"	"	0	"						
Longitude by Chronometer from Afternoon Observations ☉												o		'	"						
Longitude by Chronometer Observations										*		o		'	"						
Variation of the Compass by Amplitude										observed at Sunset				o		'	"				
Variation of the Compass by										at				o		'	"				

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday June 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant with very fresh breeze from N. by W. blowing in gusts Cir Cum clouds Bright moonlight At 2.05 set mainsail to gain position. At 2.30 took in mainsail to keep position Fires banked in two boilers. Av[erage]. press[ure] 25 lbs Distilling at end of watch. Hartford on lee both distant 1 mile. Hydrometer 28.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Pleasant. Fresh to very fresh breeze from N.N.W. Sea moderate Bar[ometer] steady At 5.45 set mainsail. At end of watch Hartford on lee bow distant 1 1/2 miles Fires banked in two boilers Distilling. Hydrometer 27. By order of Comdr. Philip Kincade (S.C.) was confined without irons to await actions for insubordination.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy first part Overcast last part Stiff to very fresh breeze from N.N.W. Sea moderate Heavy swell from N. and W. Bar[ometer] steady. At 8.15 shook one reef out of top sails Hartford on lee bow Fires banked in two boilers Distilling Hydrometer 28.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy. Pleasant. Wind from N.N.W. decreasing during watch. Bar falling Sea moderate. At 12.30 exchanged Lat and Long with Hartford. At 1.50 made signal 3845, 0990, 629, 3069, 208, 0319, 0940, 5258, 9279, 7883, 6062, 9319, 6419. At 2.30 took in mainsail. At 3.30 set main trysail Fires banked in two boilers Hydrometer 28. Stopped distiller at 3.20

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Clear. Pleasant. Light breeze from N.N.W. Cir Cum clouds. At 5.40 moon rose At sunset mustered at quarters Fires banked in two boilers Density sea water 27. Hartford on starboard beam distant 1 mile

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Clear. Pleasant moderate breeze from N.N.W. Moonlight Sea moderate Fires banked in two boilers At end of watch Hartford on starboard bow distant 1 1/2 miles. Hydrometer 27.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Pleasant. Gentle breeze from N.N.W. Sea smooth moderate swell from N.W. Fires banked in two boilers Hartford at end of watch on lee bow. At 8.05 brailed up main trysail and shook reef out of topsails Afterwards set Main T. G. sail Hydrometer 26.

Signed J. K. Cogswell
Lieut

Moon phase 3rd qr. Dec. S. 26°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Maldonado, Uruguay to Rio de Janeiro Brazil

Hour.	Knots. Fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	1	6	NE	NNW	2		29.98	72	70	70	71	bcm	Cir Cum	7	S	All plain sail
2	1	7	"	"	2-3		29.98	72	69	69	72	"	"	7	"	
3	2	0	NE 1/2 E	NW by N	2-3		29.96	72	69	69	72	"	"	7	"	
4	2	5	NE 3/4 E	"	2-3		29.95	72	69	69	72	"	"	7	"	
5	3	2	NE by E	NNW	2		29.95	72	69	69	72	"	"	7	"	
6	3		"	"	2-3		29.95	72	69	69	72	"	"	7	"	
7	3	6	"	"	3		29.97	72	70	69	72	"	"	7	"	All plain sail
8	3		NE 1/2 N	NW by N	3		29.99	72	71	70	70	"	"	7	"	
9	2	0	NE 3/4 E	"	2		29.99	71	71	70	71	"	"	5	"	
10	1	8	NE 1/2 E	NNW	2		30.00	71	71	70	71	"	"	4	"	
11	2	5	NE 1/2 N	NW by N	2		30.00	71	71	72	71	"	"	7	"	
Noon.	2	5	NE 3/4 N	"	2		30.00	71	71	72	71	"	"	5	"	

Distance run by Log since preceding Noon

54 knots
6 Tenths fathoms.

Latitude by D. R. at Noon

South 29 ° 16 ' "

Longitude by D. R. at Noon

West 45 ° 46 ' "

Latitude by Observations at Noon ⊕

South 29 ° 11 ' 36 "

Longitude by Chronometer from Forenoon Observations ⊕

West 45 ° 35 ' "

Current during the time knots 4 tenths fms. per hour, setting to the East

Variation of the Compass by Amplitude ⊕ observed at Sunrise

Variation of the Compass by Azimuth ⊕ observed at 9 A.M. Lat S. 29° 16'

Long W. 45° 40' } E

2 ° 43 " [Note on left margin reads "Sig No 614"]

Water expended during the preceding 24 hours

200 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for me at Noon

2200 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P.M.

1	1	4	NE 1/2 E	NW by N	2		29.96	72	73	72	71	bcm	Cir Cum	4	S
2	1	2	"	"	1		29.93	72	73	72	71	"	"	6	"
3	1		NE	"	1		29.92	72	73	72	71	"	"	2	"
4	1	5	NE by E	NNW	1-2		29.92	72	71	71	71	om	"	2	"
5	1	8	ENE	N	2		29.92	72	71	71	70	vcm	"	5	"
6	1	4	E 1/2 N	N by E	1-2		29.90	72	70	70	70	"	"	3	"
7	1	6	E 3/4 N	"	1-2		29.90	72	70	70	70	"	"	4	"
8	1	8	E 1/2 N	"	1-2		29.90	72	70	70	70	"	"	4	"
9	2	3	E by N	N by W	2		29.90	72	70	70	70	"	"	2	"
10	2	5	NE by E 1/2 E	"	2-3		29.90	72	70	70	70	"	"	3	"
11	2		NE by E	"	3		29.90	72	71	70	70	"	"	2	"
Mid.	3	5	NNE	"	2		29.90	72	71	70	70	"	"	1	"

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

* ° ' "

Variation of the Compass by Amplitude

observed at Sunset ° ' "

Variation of the Compass by

at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday June 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind light from N.W. by N. Bar[rometer] falling Song swell from N and W. At 2 set F.T.M. staysail. Fires banked in two boilers Density sea water 27.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear and pleasant. Misty. Light breeze from N.N.W. At 5.30 took in main F. G. sail. At 6 set T. T. sails & flying jib. Fires banked in two boilers. Av[erage] steam pressure 25 lbs. Distilling. Density sea water 27. Hartford on stbd [starboard] beam distant 1 1/2 miles. Close hauled port tack

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Partially clear. Pleasant. Light breeze from N. by W. At 9.20 inspected divisions At 10 Comdr inspected ship and crew at quarters. Afterwards read prayers. By order of Comdr Philip Kincade (S.C.) was confined in double irons to await action of Court Martial. Fires banked in two boilers. Hydrometer 27. At end of watch Hartford on lee bow distant 4 miles. Got up & bent main top mast staysail and set it.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy overcast and damp. Latter part of watch light breeze from N.W. by N and N.N.W. At 12 set main top mast staysail. At 12.20 Flag Ship signaled 29° 08' S. Lat. 45° 88' W. Long. At 2 we signaled Lat. 24° 12' S. Long 45° 35' W. At 2 Flag Ship made telegraphic signal 290, 5151, 9279, 2136, 6004, 0843, 629, 4844, 940, 6689, 6491, 8238, 6602, 3985, 9619, 6918, 8191, 9519, 6502. Ans[wered]. Fires banked in two boilers At end of watch Flag Ship ahead distant 3 miles Hydrometer 27. Barely steerage way.

Signed J. K. Cogswell
Lieut

From 4 to 6 P.M. Cloudy and misty. Wind light from N. and N. by E. Bar. falling. Long swell from N. and W. At sunset mustered at quarters. Fires banked in two boilers. Density sea water 27.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear damp. Light breeze from N. Cir. Cum. clouds. At 7.30 Flag Ship made genl [general] sig[nal] (Coston lights) 4886 and gen sig. 41. At 7.45 hauled up and furled main sail Hartford on weather bow distant 7 miles Density sea water 27. Fires banked in two boilers

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Damp. Moonlight. Gentle to light breeze from N. by W. At 8.15 took in royals and flying jib Spread fires in two and started fires in two boilers At 10 took in and furled foresail At 10.30 took in top gallant sails. At 11 took in and furled top sails At 11.25 commenced steaming At 11.30 took in for and aft sails Av. steam pressure 65 lbs Rev[olutions] 35.

Signed C. B. T. Moore
Ensign

Moon phase 3rd qr. Dec. S. 24°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage from Maldonado Uruguay to Rio de Janeiro Brazil

Hour.	Knots. Fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	6	0	N by E	N by W	2		29.90	72	71	71	70	om	Cir Cum	0	S	
2	6	0	N 3/4 E	"	3		29.88	72	72	71	70	bcm	"	1	"	
3	4	0	N by E	"	3		29.85	72	72	71	70	om	"	0	"	
4	3		"	"	3		29.85	72	72	71	70	"	"	0	"	
5	3		"	"	3		29.84	72	73	71	70	bcm	"	1	"	
6	3	5	"	"	3-4		29.84	72	73	72	70	bcbp	"	1	M	
7	2	5	N 3/4 E	"	4-5		29.82	72	73	72	70	"	"	1	"	
8	3	1	N by E	"	4-5		29.82	73	73	72	70	op	"	0	"	
9	5	9	N by E 3/4 E	NNW	4-5		29.85	73	71	70	71	oqp	Cum Nimb	0	"	
10	4	5	N by E	WNW	5-6		29.92	72	69	69	71	oqv	"	0	"	
11	4	5	North	W by N	4-5		29.92	71	69	69	71	"	"	0	"	
Noon.	3	8	N 1/4 E	"	4-5		29.92	71	69	69	71	"	"	0	"	

Distance run by Log since preceding Noon

71 knots
Tenths
7 fathoms.

Latitude by D. R. at Noon

South 28 14

Longitude by D. R. at Noon

West 45 3

Latitude by Observations at Noon ⊕

° ' "

Longitude by Chronometer from Forenoon Observations ⊕

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise

° ' "

[Note on left margin reads "Sig No 614"]

Variation of the Compass by Azimuth ⊕ observed at

° ' "

Water expended during the preceding 24 hours

200 gallons.

Water during the preceding 24 hours

2 "

Water remaining on hand fit for me at Noon

2250 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P.M.

1	4	4	N 1/4 E	SW by W	4		29.90	70	68	69	71	op	Cum Nimb	0	M	
2	4	8	NNE	"	3		29.91	70	68	68	71	"	"	0	"	
3	5		"	WSW	3		29.93	70	68	68	71	"	"	0	"	[note in left margin reads "Lat 29° S Long W 45°"]
4	5	6	N by E 1/2 E	"	4		29.95	70	68	68	71	"	"	0	"	
5	4	5	N by E	SSW	3		29.95	69	67	67	71	"	"	0	"	
6	3	5	"	"	3		29.95	70	66	66	71	"	"	0	"	
7	4	5	"	S by W	3-4		29.97	70	67	67	71	od	"	0	"	
8	7	5	N by E 3/4 E	"	3-5		29.98	70	67	67	71	"	"	0	"	
9	7	5	"	"	4-5		29.99	70	67	67	71	"	"	0	"	
10	7		N by E 1/2 E	"	4-5		30.02	70	66	66	71	"	"	0	"	
11	6	4	"	"	4-5		30.03	70	67	66	72	or	"	0	"	
Mid.	6	6	N by E 3/4 E	"	4-6		30.04	70	67	66	72	o	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

* ° ' "

Variation of the Compass by Amplitude

observed at Sunset

° ' "

Variation of the Compass by

at

° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday June 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast misty and damp. Gentle breeze from N. by W. Sea smooth. At 1.30 sighted Hartford ahead Keeping on port quarter of starboard. Steaming with 4 boilers. Av[erage] steam pressure 60 lbs. Rev[olutions] 23.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy and misty squally last half. Passing showers of drizzling rain. Wind moderate from N. by W. in crossing during watch. Bar[ometer] falling. Sea moderate steaming with 4 boilers. At 8 sent down royal yards. Av. steam pressure 66 lbs. Rev. 21. Density sea water 27.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast rainy. Moderate to fresh wind from N.N.W. shifting to W. by N. At 8.25 sent down F.G. yards. At 8.45 set main trysail and at 9.30 set all fore and aft sail except flying jib. At 10 Hartford made gen[eral] sig[nal]. 10. Changed ged. course to N. Sighted a school of whales to windward. Steaming with four boilers. Av stm press 60 lbs. Rev. 25. Density sea water 27. Hartford on lee bow distant 1 1/2 mile

Signed Saml. C. Lemly
Ensign

[The following note was pasted over the log entries for Meridian to 8 P.M. watches, and to remove the note would have damaged the logbook.]

At 9.55 made telegraphic signals to Flag Ship 2971 – 4264 – 6083. 5782 – 0082 – 565 – 0843 – 629 – 4844. 817 – 7296 – 2839 – 9 – 4904 – 2700 – 3519. 9409 – 4851 – 7028 – 5468 – 9279 – 7654 – 0774 – 6570 – 0705 – 3607 – 9281 6124 – 8231 – 2423 – Num 4. – 3120 – 8448 - 9565 – 3852 – 683 – 106 – 6570 - 2999 – 0970 – 7376 – 8619 – 565 – 375 – 9 – 2117 – 7670 – Gen[eral] 8841 – 0163 – 9 – 2077 – 106 – Num 5 – 6439 – 9279 – 5196 – 543 – 9287 – 2035 – 1267 – 6702 – 3577 – 817 – 9 – 2969 – 6322 – 0970 – 144 – 2326 Num 6 – 6439 – 9279 – 5196 – 4544 – 6381 – 106 Num 1 – 3120 – 9401 – 0505 629 – 4892 – 6860 – 6022 – 8258 – 6866 7505. 9277 – 9 – 8413 – 873 – 9409 – 4578 – 441 – 9326 – 8571 – 9409 – 4002. 602 – 6022 – 6647.

From 8 P.M. to Mid. Overcast. Drizzling rain first part. Cum Nimb clouds. Moderate to stiff breeze from S. Steaming under 4 boilers. Av. steam pressure 60 lbs. Rev. 25. Flag Ship on starboard bow distant 1 mile Density sea water 27.

Signed Saml. C. Lemly
Ensign

Moon phase 3rd qr. Dec. S. 20°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Maldonado Uruguay to Rio de Janeiro Brazil

Hour.			Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1	6	6	N by E 3/4 E	South	5		30.06	70	68	68	72	o	Cum Nimb	0	M		Single reefed topsails
2	6	3	N by E 1/2 E	S by W	5		30.07	70	68	68	73	"	"	0	"		foresail and jib
3	6	7	"	SE	5		30.06	70	69	68	73	op	"	0	"		
4	6	5	"	"	4		30.06	71	69	68	73	ov	"	0	"		
5	6	5	"	"	5		30.06	70	69	69	74	"	"	0	"		
6	6	8	"	SE by E	5		30.08	70	70	69	74	"	"	0	"	All plain sail	
7	6	2	"	E by S	4		30.08	70	70	70	74	om	"	0	"	except mainsail	
8	7	2	N by E 3/4 E	E	5		30.09	70	71	70	75	"	"	0	"		
9	6	4	N by E 1/2 E	E by S	4-5		30.09	70	71	71	75	"	"	0	"		
10	4	0	N by E	"	4-5		30.09	70	72	72	75	"	"	0	"		
11	2		"	"	4-5		30.09	71	73	72	75	"	"	0	"		
Noon.	2		N by E 3/4 E	"	3		30.09	71	73	72	75	"	"	0	"		

Distance run by Log since preceding Noon

139 knots

Tenths
5 fathoms.

Latitude by D. R. at Noon

South 26

o

1

'

"

Longitude by D. R. at Noon

West 44

o

16

'

"

Latitude by Observations at Noon ⊕

o

'

"

Longitude by Chronometer from Forenoon Observations ⊕

o

'

"

Current during the time knots fms. per hour, setting to the

[Note on left margin reads "Sig 615"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

o

"

"

Variation of the Compass by Azimuth ⊕ observed at

o

"

"

Water expended during the preceding 24 hours

200 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for me at Noon

2000

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	4		N by E 1/2 E		1-2		30.09	71	73	72	76	0	Cir Cum Nimb	0	S	
2	5	6	N by E 3/4 E	NW	1-2		30.07	71	73	72	76	"	"	0	"	
3	6	6	NNE	"	1-2		30.06	71	73	72	76	"	"	1	"	Fore and aft sail
4	6	4	N by E 1/4 E	"	1-2		30.06	71	73	72	76	oc	"	1	"	
5	8	4	"	North	1-2		30.09	72	73	72	76	"	"	1	"	
6	10		"	"	1		30.07	72	73	72	76	"	"	4	"	
7	10		"	NW	2		30.09	73	73	72	75	o	"	0	"	
8	10	2	"	"	2		30.10	74	73	72	75	bc	"	1	"	[Note in left margin reads "Lat 55° S Long 74° W"]
9	10		"	"	2		30.10	74	73	72	75	"	"	5	"	
10	10		"	"	2		30.11	73	73	72	75	"	"	8	"	
11	10	2	"	"	2		30.13	73	73	72	74	"	"	4	"	
Mid.	3	4	N by E 3/4 E	"	2		30.13	73	73	72	74	"	"	4	"	
	6	8														

Longitude by Chronometer from Afternoon Observations ⊕

o

'

"

Longitude by Chronometer Observations

*

o

'

"

Variation of the Compass by Amplitude

observed at Sunset

o

'

"

Variation of the Compass by

at

o

'

"

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday June 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast raining last two hours. Obscured moonlight. Sea moderate Stiff to moderate breeze from S. shifting to S.E. steaming with 4 boilers steam pressure 60 lbs. Rev[olutions] 31. At end of watch Flag Ship on weather bow. Hydrometer 27.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast and rainy ugly threatening weather. Moderate to stiff breeze shifting during watch from S.E. by E. to E. Sea moderate Clouds passing to S.E. At 6.30 set main G[allant] f[ore] mast staysail & main try sail. Crossed T. G. and royal yards Set flysails, jib and gaff topsail. Shook reefs out of topsails. Steaming with 4 boilers Flag Ship on starboard beam at end of watch. Steam 60 lbs. Revs 21. Hydrometer 29.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and disagreeable Wind gentle to moderate from E. by S. Bar[ometer] steady Sea moderate. At 9.15 inspected at quarters. By order of Comdr. Confined John O' Neil to berth deck for disrespect to an officer. At 10.45 Flag Ship signaled 3007. Ans[wered] at 10.55 shortened and furled sail. Comdr. went on board Flag Ship in obedience to signal. Steam in 4 boilers Steam 60 lbs. Revolutions 25 Density of sea water 27.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy pleasant. Light airs from N. and W. Cir. Cum. Nimb. clouds. At 1 sent down light yards. At 3 started fires in two more boilers. Steam pressure 60 lbs. Rev. 38. Hartford on stbd [starboard] quarter distant 4 miles. Hydrometer 27.

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Light airs from N. Sea smooth. Steaming with two boilers. At sunset mustered at quarters. At end of watch Flag Ship hull down on stbd quarter. Steam pressure 50 lbs. Rev. 48. Hydrometer 27.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Light breeze and N. and W. Sea smooth Steaming with six boilers. Steam 60 lbs. Rev. 57. Hydrometer 28.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Partially cloudy. Pleasant. Wind light from N.W. Bar[ometer] rising. Sea smooth At 9.30 set jib main top mast staysail and spanker. Steaming with six boilers. Steam pressure 65 lbs. Rev. 59. Density sea water 27.

Signed C. K. Curtis
Lieut

Moon phase 3rd qr. Dec. S. 18°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Maldonado Uruguay to Rio de Janeiro Brazil S.A.

Hour.			WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1	9	5	N by E 3/4 E	NNW	2-3		30.13	73	73	72	74	bcm	Cum	5	S
2	9	5	"	"	2-3		30.13	73	73	72	74	"	"	8	"
3	9	8	"	"	1-2		30.13	73	73	72	74	"	"	6	"
4	9	8	"	"	1-2		30.13	73	73	72	74	"	"	7	"
5	8	5	"	"	1		30.13	73	73	73	74	"	"	4	"
6	8	3	"	NNE	0-1		30.15	73	74	73	74	"	"	7	"
7	9	2	"	N	1		30.15	74	74	74	74	"	"	3	"
8	9	5	"	Calm	0		30.15	74	74	74	74	"	"	4	"
9	9	8	NNE	"	0		30.18	73	75	74	74	"	"	0	"
10	9	4	NNE 1/2 E	"	0		30.18	73	76	75	74	"	"	0	"
11	Standing in to Rio bay.			"	0		30.18	73	75	74	74	"	"	0	"
Noon.				"	0		30.18	74	75	74	74	"	"	0	"

Distance run by Log since preceding Noon

195 knots

Tenths
9 fathoms.

Latitude by D. R. at Noon

o

i

"

Longitude by D. R. at Noon

o

i

"

Latitude by Observations at Noon ⊕

o

i

"

Longitude by Chronometer from Forenoon Observations ⊕

o

i

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise

o

"

"

Variation of the Compass by Azimuth ⊕ observed at

o

"

"

Water expended during the preceding 24 hours

250 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for me at Noon

1750

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	At anchor	SSE	0-1	30.15	74	78	77	bc	Cir Cum	5	S
2	Rio bay.	"	1	30.10	74	77	77	"	Cir Cum Nimb	5	"
3		"	1-2	30.09	75	77	75	"	"	3	"
4		"	1-2	30.09	75	77	75	"	"	2	"
5		"	2	30.07	75	78	75	o	"	0	"
6		"	2	30.07	76	75	75	otf	"	0	"
7		"	1	30.10	74	75	74	"	"	0	"
8		"	1	30.10	74	75	74	"	"	0	"
9		Calm	0	30.10	74	75	74	opl	"	0	"
10		"	0	30.10	74	75	73	"	"	0	"
11		"	0	30.10	74	73	75	otl	"	0	"
Mid.		"	0	30.12	74	70	72	orl	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕

o

i

"

Longitude by Chronometer Observations

*

Variation of the Compass by Amplitude

observed at Sunset

o

"

Variation of the Compass by

at

o

"

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday June 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Misty. Light breeze from W. Cir. cum. clouds Steaming with six boilers Steam pressure 65 lbs. Rev. 52. Density sea water 27. At 3.50 took in fore and aft sail.

Signed Saml C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Misty. Light variable airs and calms. At 6.15 made land ahead and on port bow. Steaming with six boilers. Steam pressure 60 lbs. Rev. 52 Hydrometer 27.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Pleasant. Wind light from S.S.E. Bar[ometer] falling Sea smooth. Mended [unreadable] of sails and made preparations for port. At 9 crossed T. G. and royal yards. Steaming with six boilers into Rio de Janeiro bay. Steam pressure 60 lbs. Revolutions 52. Hydrometer 29.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy. Pleasant Wind light from S.S.E. Bar[ometer] falling Sea smooth. At 12.20 called all hands bring ship to anchor. At 12.27 came to with port anchor in 9 3/4 fms [fathoms] water. Veering to 30 fms chain at hawse. Bearings at anchorage. Villegagnon S 3/4 W. Fort Bou. Viageau E 3/4 S. Ships head N.N.W. Draught for'd 13 ft. Amidships 14 ft 5 in. Aft 15 ft 6 in. At 12.20 exchanged numbers with U.S.S. Guard in the harbor. Comdr. of Guard and officers from H.B.M.S. Avon called officially on Comdg Officer. Started distiller at 3.50. Steaming in four boilers Av[erage] pressure 30 lbs. At 1 hauled fires in two boilers

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast during watch. Frequent heavy showers of rain with thunder and lightening last three hours of watch. Light airs from S. and E. At sunset sent down light yards. Afterwards mustered at quarters and served out clean hammocks. Tide turned ebb at 6.15 Strength o tide 2 1/2 knots. Fires banked in four boilers distilling.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Weather cloudy and rainy. Thunder and lightening. Calm during watch Bar[ometer] rising. Sea smooth. Ship swing to flood at 10.10 Steam in four boilers Distilling

Signed C. K. Curtis
Lieut

Moon phase 3rd qr. Dec. S. 10°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SE	Calm	0	30.11	74	75	74	bcm	Nimb	0	S		
2			"	"	0	30.10	74	75	74	"	"	0	"		
3			"	"	0	30.10	74	75	74	"	"	0	"		
4			"	"	0	30.10	74	75	74	"	"	0	"		
5			"	"	0	30.08	74	74	74	bc	Cir Cum	5	"		
6			"	"	0	30.08	73	74	74	"	"	6	"		
7			"	"	0-1	30.10	73	75	74	"	"	7	"		
8			SE by E	SE	0	30.11	74	75	75	"	"	5	"		
9			"	Calm	0	30.12	74	74	74	op	"	5	"		
10			"	"	0	30.13	74	75	74	"	"	5	"		
11			"	"	0	30.10	75	76	75	bcp	"	5	"		
Noon.			"	S	0-1	30.10	75	76	75	"	"	5	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		200 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1400 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	SSW	Calm	0	30.10	75	76	75	bcq	Cir Cum Nimb	5	S
2	S by W	"	2	30.10	75	76	75	"	"	6	"
3	SSW	"	2	30.10	75	76	75	"	"	5	"
4	S by W	SSE	2	30.10	75	76	75	"	"	7	"
5	SSW	"	3	30.10	74	76	75	"	"	5	"
6	"	"	1	30.10	74	76	75	om	"	4	"
7	W by N	"	1	30.10	74	76	75	"	"	5	"
8	"	S by E	0	30.10	75	76	75	"	"	2	"
9	"	"	0	30.11	75	76	75	p	"	1	"
10	"	"	0-1	30.12	75	76	74	bc	"	3	"
11	"	"	0-1	30.10	75	76	74	"	"	2	"
Mid.	"	"	0-1	30.09	75	76	73	"	"	2	"

Longitude by Chronometer from Afternoon Observations ⊕	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday June 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast showers of rain during watch first three hours. Calm swinging to the flood at 2.30 Fires banked in 4 boilers Distilling

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Damp. Calm. At 6.15 sighted Hartford standing in At 6.30 spread fires in 4 boilers At 6.45 hoisted colors and exchanged numbers. Hartford came in and anchored on starboard beam. Steam in 4 boilers At 7.45 made interrogatory signal 6144 Flag Ship answered and made 904

Signed Saml C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy. Warm. Wind light from S.E.S. Bar[ometer] rising first part falling last hour. Sea smooth. Swing to flood at 11.30. At 8 called all hands up anchor. Shifted berths came to at 8.20 Bearings Villegagnon S. by E. 3/4 E. Fort Boa Viggin E.S.E. 3/4 E. Ships head W by S. At 9.25 called "moor ship" Moored at 30 fms [fathoms]. Put on mooring swivel. At 9.15 Flag Ship fired a salute of 21 guns. Brazilian flag at fore answered by battery from Fort immediately after she fired a salute of 15 guns. Answered by Brazilian Flag Ship. At 11 Flag Ship made general signal 4557. Answered. At 1.30 crossed top gallant yards At 1.45 Flag Ship made prep 5455. and at 11.50 made 5455. Answered and loosed sail At 11.00 hauled fires

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Warm. Light breeze from S. Cir cum nimb clouds. At 12.50 made Int[errogatory] 3357. Flag Ship answered 904. At 1.40 swung to flood. At 1 & 2 Fort Villegagnon Santa Cruz and Brazilian frigate Nicheroy fired a salute of 21 guns. At 2.50 Flag Ship made prep 4826 Ans. At 3.15 gen[eral] 4826. At 3.15 furled sail and unbent flying jib gaff topsail and main topmast staysail. Capt. Mayo U.S.N. Comdg U.S.S. Hartford called on Comdg Officer.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy and pleasant Wind light from S. and S.S.E. Bar. steady Sea smooth. Sea-Tide turned ebb at 6.45 At 4.10 Flag Ship made prep 5050. Answered made 4363. Flag Ship answered 904

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Cloudy Pleasant Light breeze from S. and E. Cir Cum clouds. Tide turned flood at 10.00 Small steamer came in and anchored

Signed Saml. C. Lemly
Ensign

Signed Asa Walker
Lieut & Navigator.

Examined and found to be correct

		WINDS.			BAROMETER.		TEMPERATURE.										
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
A.M.																	
1			West	South	0-1		30.10	74	74	73		bc	Cum Nimb	1	S		
2			NW by W	"	0-1		30.12	73	74	74		"	"	1	"		
3			N by W	"	0-1		30.12	73	74	74		"	"	1	"		
4			S by W	Calm	0		30.12	73	74	74		"	"	1	"		
5			SW by W	"	0		30.12	73	74	74		"	"	2	"		
6			WSW	"	0		30.12	73	74	74		"	"	1	"		
7			N by W	"	0		30.12	73	74	74		"	"	2	"		
8			NNW	"	0		30.12	73	74	74		"	"	1	"		
9			NW	"	0		30.15	73	76	74		"	Cir Cum	3	"		
10				NW	0-1		30.18	73	76	76		"	"	6	"		
11				"	0-1		30.18	75	76	76		"	"	7	"		
Noon.			South	Calm	0-1		30.18	75	76	76		"	"	8	"		
Distance run by Log since preceding Noon											knots	fathoms.					
Latitude by D. R. at Noon											0	1	"				
Longitude by D. R. at Noon											0	1	"				
Latitude by Observations at Noon ⊕											0	1	"				
Longitude by Chronometer from Forenoon Observations ⊕											0	1	"				
Current during the time											knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise											0	"	"				
Variation of the Compass by Azimuth ⊕ observed at											0	"	"				
Water expended during the preceding 24 hours											350 gallons.						
Water											during the preceding 24 hours						
Water remaining on hand fit for me at Noon											1050 "						
Coal consumed during the preceding 24 hours											tons	lbs.					
Coal remaining on hand at Noon											"	"					
P.M.																	
1			N by W	Calm	0		30.13	75	75	77		vc	Cir Cum	9	S		
2			SSE	SSE	2		30.11	75	79	78		"	"	8	"		
3			S by W	SE	3		30.10	75	78	78		"	"	7	"		
4			S by E	S by E	2		30.10	76	77	77		"	"	9	"		
5			South	"	3		30.10	76	77	76		"	"	9	"		
6			"	"	3		30.10	75	76	75		bcm	"	8	"		
7			SW	"	3		30.10	75	75	74		"	"	8	"		
8			NW	"	2		30.10	75	75	74		"	"	9	"		
9			WNW	Calm	0		30.10	75	75	74		"	"	8	"		
10			W by S	"	0		30.10	75	75	74		om	"	0	"		
11			SW	"	0		30.10	75	75	74		"	Cum Nimb	0	"		
Mid.			S by E	"	0		30.10	75	75	74		"	"	0	"		
Longitude by Chronometer from Afternoon Observations ⊕											0	1	"				
Longitude by Chronometer Observations											*	0	1	"			
Variation of the Compass by Amplitude											observed at Sunset						
Variation of the Compass by											at	0	1	"			

under the command of Commander W. Scott Schley, U. S. Navy.
Friday June 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Light airs from S. Calm last hour. Bar[ometer]
rising slowly Sea smooth. Tide turned flood at 3.30

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy and pleasant. Calm. Swung to ebb at 6.30 Bar. steady. At 7.30 Flag
Ship made general signal 3354

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Warm. Calm. At 8.55 Flag Ship made prep. signal 5455.
Ans[wered]. At 9.10 made gen. Sig 5455. At 9.10 loosed sail. At 9.30 inspected at quarters.
Comdg Officer left the ship to pay official visits At 11.30 swung to flood

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear Warm Calm first hour. Light to gentle sea breeze from S.S.E. At 1
Flag Ship made prep 4826 and then general signal 4826. Furled sail At 3.30 Flag Ship made
general signal 2984. Riding to flood.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Damp. Gentle breeze from S. by E. Cir Cum clouds. At 4 Flag Ship fired
a salute of 9 guns American Flag at fore. Slack water at 7.00 At 7.45 swung to ebb.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear first hour. Overcast remainder of watch Misty Calm Barometer
steady. Swung to flood at 10.30.

Signed W. H. Allen
Midshipman

* From 8 P.M. to Mid. Cloudy and pleasant Light airs from North Barometer falling slowly. Riding
to the ebb

Signed J. K. Cogswell
Lieut

Moon phase 4th qr. Dec. N. 6 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SE by E	Calm	0	30.11	74	75	74		bcm	Cir Cum Nimb	2	S	
2			SW by W	"	0	30.10	74	75	74		"	"	2	"	
3			"	"	0	30.10	74	75	74		"	"	7	"	
4			"	"	0	30.10	74	75	74		"	"	8	"	
5			W by N	"	0	30.08	74	74	74		bc	"	6	"	
6			"	"	0	30.08	73	74	74		"	"	5	"	
7			"	"	0-1	30.10	73	75	74		"	"	6	"	
8			N 1/2 E	NNE	0	30.11	74	75	75		"	"	3	"	
9			N by W	Calm	0	30.12	74	74	74		op	"	0	"	
10			WNW	"	0	30.13	74	75	74		"	"	0	"	
11			"	NNE	0	30.13	75	76	75		bcp	"	1	"	
Noon.			SW	NNW	0	30.10	75	76	75		"	"	5	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 750 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			SSW	Calm	0	30.1	75	76	75		bcp	"	9	S
2			S by W	SSE	2	30.1	75	76	75		"	"	6	"
3			SSW	SSW	2	30.1	75	76	75		"	"	6	"
4			S by W	"	2	30.1	75	76	75		"	Cum Nimb	2	"
5			SSW	SW by S	3	30.1	74	76	75		"	"	3	"
6			"	"	1	30.1	74	76	75		om	"	0	"
7			W by N	W by N	1	30.1	74	76	75		"	"	0	"
8			"	Calm	0	30.1	75	76	75		"	None	0	"
9			"	"	0	30.1	75	76	75		p	Cum	10	"
10			"	North	0-1	30.1	75	76	74		bc	"	5	"
11			"	"	0-1	30.1	75	76	74		"	"	2	"
Mid.			"	"	0-1	30.09	75	76	73		"	"	5	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday June 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy first part. Obscured moonlight first part Clear bright moonlight latter part Calm At 1.30 swung to ebb.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Misty. Pleasant. Calm during watch. Bar[ometer]. Rising. Sea smooth. At 7.30 Flag Ship made general signal 3354.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy Warm Foggy. Calm and light airs from N.N.E. and N.N.W. Riding to ebb until 11.15.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Calm first hour. Light breeze from S.S.W. last two hours. Foggy. At 1.15 Flag Ship fired a salute of 15 guns and Brazilian fired a salute of 15 guns in return with American flag at fore. Sent Caldrens of Nasses on shore with her mission to remain until 7 A.M. 23rd. Received in Pay Dept 102 wood screws and in Navagation [Navigation] Department 1 barrel of oil. Riding to flood

Signed T. D. Griffin
Midshipman

From 4 to 8 P.M. Overcast Misty. Pleasant Gentle breeze to light airs from S.W. by S. and W. by N. Calm last hour. Barometer rising slowly.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Light airs from North. Barometer falling slowly. Riding to the ebb.

Signed J. K. Cogswell
Lieut

Moon phase 4th qr. Dec. N. 6°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S by W	NNW	0-1	30.09	75	75	74		bc	Cir Cum	7	S	
2			NW by N	"	0-1	30.09	74	74	73		"	"	6	"	
3			N by W	N by W	2	30.08	74	74	74		om	"	0	"	
4			NNW	"	1	30.08	74	74	74		"	"	0	"	
5			"	NNW	0-1	30.12	73	73	72		oc	Cir Cum Nimb	0	"	
6			North	"	0-1	30.12	73	73	72		"	"	0	"	
7			N by E	"	0-1	30.14	73	73	72		"	"	0	"	
8			N by W	"	0-1	30.15	73	73	72		"	"	0	"	
9			NNW	NNW	1	30.16	73	74	73		bc	Cir Cum	3	"	
10			N by W	SW	1	30.18	74	75	74		"	"	3	"	
11			NW by N	Calm	0	30.18	74	74	73		o	Cum Nimb	0	"	
Noon.			NNW	NE	0-1	30.15	74	75	74		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ⊕	°	" "
Longitude by Chronometer from Forenoon Observations ⊕	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		100 gallons.
Water	during the preceding 24 hours	2100 "
Water remaining on hand fit for me at Noon		2200 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.												
1	S by W	S by W	3	30.13	74	74	74	P	Cum Nimb	0	S	
2	"	"	3	30.13	73	74	74	"	"	0	"	
3	SSW	SSW	2-3	30.11	73	73	73	"	"	0	"	
4	"	"	2-3	30.11	72	72	71	"	"	0	"	
5	"	S by W	2	30.11	72	71	71	"	"	0	"	
6	"	"	1	30.11	72	71	71	"	"	0	"	
7	S by E	"	0-1	30.13	72	74	72	vc	"	2	"	
8	"	SW	1	30.16	72	74	72	"	"	1	"	
9	SW	W by S	2-3	30.18	72	73	73	oc	"	0	"	
10	N by W	West	3-4	30.18	72	74	73	"	"	0	"	
11	NW	"	3-4	30.18	72	74	73	"	"	0	"	
Mid.	W by N	"	3-4	30.13	72	73	73	"	"	0	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations *	0	1	2
Variation of the Compass by Amplitude observed at Sunset	0	1	2
Variation of the Compass by at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday June 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first two hours. Overcast last two hours Light airs to light breeze from N.N.W. Misty moonlight. Barometer steady.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast and cloudy. Calm and light airs from N.N.W. At 7.30 Flag Ship made signal 3352. Answered. At 7 water lighter came alongside Received on board 2100 gals fresh water.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast and cloudy. Calm and light variable airs. At 9.45 had divisions inspection At 10 Comdg. Officer inspected ship and crew at quarters Afterwards read prayers Riding to the ebb.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy and pleasant. Light breeze from S. by W. and W.S.W. Flood tide.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy and pleasant. Light airs from S. and W. At 5.15 Flag Ship made general signal 2985. Answered. Sent a liberty party on shore Riding to the flood.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy and pleasant. Moderate breeze from W. Swung to the ebb at 9.30.

Signed C. K. Curtis
Lieut

Moon phase 3rd qr. Dec. N. 11 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW by N	NNW	3		30.18	72	72	71		ol	Cum Nimb	0		S
2			"	"	3		30.18	72	72	71		o	"	0		"
3			"	"	2		30.17	72	72	71		"	"	0		"
4			NW by N	NW	2		30.17	72	72	71		"	"	0		"
5			W by N	West	2-4		30.17	72	72	71		oc	"	0		"
6			S by E	Calm	0		30.17	72	72	71		"	"	0		"
7			S by W	"	0		30.17	72	72	71		"	"	0		"
8			"	"	0		30.17	72	72	71		"	"	0	"	
9			SW	"	0		30.21	71	72	71		"	"	0	"	
10			N by E	"	0		30.22	71	72	71		"	"	0	"	
11			N	"	0		30.23	71	72	71		op	"	0	"	
Noon.			N by W	"	0		30.20	71	73	72		bc	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	E by N	SSW	3-4	30.17	71	73	72	bc	Cum	1	S
2	SE by S	South	3	30.16	71	72	71	"	"	1	"
3	East	"	3	30.16	71	72	71	"	"	2	"
4	NNE	"	2	30.16	71	72	71	"	"	1	"
5	SW	"	2-3	30.16	71	72	71	"	"	1	"
6	SE by E	"	2	30.16	71	72	71	"	"	1	"
7	S by E	Calm	0	30.17	71	72	71	"	"	0	"
8	SE	East	0-1	30.17	71	72	71	"	"	0	"
9	NNE	Calm	0	30.18	71	71	70	"	"	0	"
10	N	"	0	30.20	71	71	70	"	"	4	"
11	N by E	"	0	30.20	71	71	70	"	"	4	"
Mid.	North	"	0	30.20	71	71	70	"	"	2	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday June 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and damp Light to gentle breeze from W.N.W. and N.W.
Lightening to W. first hour of watch. Riding to the ebb

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Overcast and rainy. Calm. Cum Nimb clouds. At 5.30 swung to flood. At 7.30
Flag Ship made general signal \\\ Answered

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy and raining first part. Clearing last hour. Bar[ometer] rising. Sea
smooth. At 9.15 mustered at quarters. At 11.15 Flag Ship made general signal 3094. Receiving
on board in Pay. Department fresh provisions for crew. Tide turned ebb at 9.45 Received on
board 890 lbs bread.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy. Pleasant Light to gentle S[outher]ly breeze Cum Nimb clouds.
Swung to flood at 1. At 3 made interrog[atory]. Signal 3357. Flag Ship answered 904. Engaged
in painting ship. At 3.45 swung to ebb.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Drizzling rain last hour. Light airs from S. and E. Bar. steady Sea
smooth. Tide turned flood at 7. Condemned and turned into slush 15 lbs butter by board of
survey.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Cloudy and damp. Calm. Riding to ebb Cum Nimb clouds.

Signed Saml. C. Lemly
Ensign

Moon phase last qr. Dec. N. 26 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1			N by W	Calm	2		30.19	71	71	70	bc	Cum Nimb	2	S	
2			"	"	0		30.17	71	71	70	"	"	1	"	
3			"	"	0		30.17	71	71	70	"	"	1	"	
4			North	"	0		30.17	71	70	70	"	"	1	"	
5			NNW	North	1		30.17	70	71	70	"	"	3	"	
6			"	NNE	0-1		30.17	70	71	71	"	Cir Cum	4	"	
7			NE	Calm	0		30.17	70	71	70	"	"	5	"	
8			SE by S	N by E	1		30.17	71	72	70	"	"	6	"	
9			WSW	"	0		30.18	73	73	71	"	"	6	"	
10			"	"	0		30.19	73	73	72	"	"	6	"	
11			N	"	0		30.19	73	73	72	"	"	6	"	
Noon.			N	"	0		30.19	73	73	72	"	"	7	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons.
Water		"
Water remaining on hand fit for me at Noon		2000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			N by W	S	0		30.15	73	72	73	bc	Cir Cum	8	"	
2			NW by W	SSE	2		30.12	72	72	73	"	"	8	"	
3			NE by N	"	1		30.10	72	75	73	"	"	9	"	
4			SSE	"	1		30.10	72	75	74	"	"	8	"	
5			"	"	1		30.13	74	75	75	"	"	8	S	
6			NE	"	1		30.12	74	75	74	"	"	8	"	
7			"	"	1		30.12	74	75	74	"	"	8	"	
8			"	"	0		30.12	74	75	74	"	"	9	"	
9			S by E	"	0-1		30.12	74	73	73	"	"	9	"	
10			SW by W	ESE	0-1		30.12	74	73	72	"	"	9	"	
11			NW	SSW	0-1		30.12	74	73	73	"	"	9	"	
Mid.			North	WSW	1		30.12	73	73	72	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday June 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Pleasant. Calm. Barometer falling slowly. Sea smooth
Ebb tide

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Pleasant. Calm and light variable airs Swung to flood at 7.30
Bar[ometer] steady. At 7.30 Flag Ship made general signal 3354. Answered.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Warm. Calm and light airs off land. Engaged in breaking out hold.
At 8.40 Flag Ship made prep[eratory] 5455. At 8.50 General sig[nal] 5455. Loosed sail. Swung
to ebb at 9.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Warm. Light airs to light breeze from S. & S.S.E. Bar[ometer]
steady. At 3.30 Flag Ship made general signal 2984. Ans[wered]. Swung to flood at 3.30.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Light airs from S.S.E. Calm last hour. At 4.15 Hartford
made prep[eratory] 4826. At 4.22 genl. [general] 4826. Ans[wered]. And furled sail Long rolling
swell

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light variable airs Bright starlight Long swell from S.
Swung to ebb at 9.30 Bar. steady

Signed C. B. T. Moore
Ensign

Moon phase last qr. Dec. N. 20°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			N by W	North	1	30.13	71	71	70	bcm	Cir Cum Nimb	9	S		
2			"	"	1	30.13	71	71	70	"	"	9	"		
3			"	"	1	30.13	71	71	70	"	"	9	"		
4			"	"	1	30.13	71	71	70	"	"	9	"		
5			"	"	1	30.14	71	70	70	"	"	8	"		
6			North	Calm	0	30.15	71	71	70	om	"	0	"		
7			NNE	"	0	30.15	71	71	70	"	"	0	"		
8			NNW	"	0	30.18	72	71	71	bcm	"	1	"		
9			SSE	NE	0-1	30.20	72	72	72	"	"	1	"		
10			S by W	Calm	0	30.23	72	73	73	"	"	4	"		
11			W by S	"	0	30.23	73	74	74	"	"	2	"		
Noon.			NNW	North	0-1	30.23	73	75	74	"	"	4	"		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours 1700 "

Water remaining on hand fit for me at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			North	SSE	0-1	30.23	74	75	74	bcm	"	2	"	
2			NE	"	1	30.20	74	75	74	"	"	1	"	
3			ESE	SSW	2	30.20	73	75	74	"	"	1	"	
4			SSE	"	2	30.20	73	74	73	om	"	0	"	
5			S	SSE	3	30.20	73	74	73	"	Cir Cum Nimb	0	"	
6			SSE	"	3	30.20	73	74	73	bcm	"	3	"	
7			SE	"	3	30.21	73	73	72	"	"	4	"	
8			SE by E	"	3	30.21	73	73	72	bc	"	3	"	
9			SSE	"	1	30.21	73	73	72	"	"	3	"	
10			SSW	ESE	2	30.20	73	73	72	"	"	5	"	
11			"	"	1	30.21	72	73	72	"	"	8	"	
Mid.			NW	ENE	1	30.21	72	73	72	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday June 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Heavy dew. Light land breeze from North Long swell Riding to ebb

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Misty. Light airs from N. first hour. Calm most of watch. At 7.30 Flag Ship made general signal 3356. Answered. Riding to the ebb.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy. Warm. Calm and light variable airs At 9.30 inspected at quarters swung to ebb at 11.15

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Light airs first two hours from E. last two from S.S.W. At 3 made interrog signal 3357. Flag Ship answered 904 Afterwards made general signal 2984. Engaged in discharging a lighter of stores from Naval storehouse Riding to the ebb.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy. Pleasant. Gentle breeze from S.S.E. Riding to flood. Long swell from S.E. Received in Pay. Dept. the following stores 20 Bbls pork. 812 lbs pickles. 100 lbs butter. 31 gals vinegar. 12 boxes candles. 50 undershort. 50 pr [pairs]. drawers. 1095 yds flannel 150 pr calf shoes. 100 prs kep shoes. 200 prs socks. 100 silk handkerchiefs. 800 lbs tobacco. 1500 lbs soap. 200 spools cotton. 600 spools silk. 120 paper needles. 25 thimbles. 85 jack knives. 100 scrub brushes. 50 shoe brushes. 50 wisk brooms. 144 doz. D. E. buttons. 24 doz. Pearl buttons. 12 mess kettles. 9 mess pans. 100 big pots. 100 tin pans. 100 spoons. 48 bottles pepper. 120 boxes blacking.

Signed C. B. T. Moore
Ensign

From 8 P.M. Cloudy first part. Clear and pleasant latter part of watch. Light airs to light breeze shifting from S.S.E. to E.N.E. Long swell setting into harbor. Ship rolling moderately Swung to ebb at 11.30.

Signed J. K. Cogswell
Lieut

Moon phase last qr. Dec. N. 24°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			N by W	ESE	1-2		30.20	72	72	71		bc	Cum	9	S	
2			N	"	2		30.20	72	72	71		"	"	9	"	
3			"	"	2		30.20	72	72	71		"	"	9	"	
4			NW	"	1-2		30.20	72	72	71		"	"	9	"	
5			"	East	0		30.20	70	72	70		"	"	9	"	
6			NNW	Calm	0-1		30.20	70	72	70		"	"	9	"	
7			NNE	NNE	0-1		30.20	70	72	70		"	"	9	"	
8			SE by E	"	0-1		30.20	70	72	72		"	Cir Cum	9	"	
9			S by E	"	1		30.24	71	72	72		"	"	9	"	
10			S by W	North	1		30.25	71	72	72		"	"	9	"	
11			SW	NNE	1		30.25	70	72	72		"	"	5	"	
Noon.			NNW	"	1		30.25	71	73	72		"	"	8	"	

Distance run by Log since preceding Noon	knots	Fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1400 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			N by W	ENE	0-1		30.23	71	74	73		bc	Cir Cum	8	S	
2			NNW	Calm	0		30.20	71	74	73		"	"	8	"	
3			NW	ESE	0-1		30.20	71	74	73		"	"	8	"	
4			NW by W	"	0-1		30.18	72	75	73		"	"	8	"	
5			WSW	SSW	0-1		30.18	75	75	73		"	"	4	"	
6			SE	"	0-1		30.17	74	74	72		"	"	9	"	
7			N by W	Calm	0		30.17	74	74	72		"	None	9	"	
8			ENE	"	0		30.17	74	74	72		b	"	9	"	
9			SE	SE	2		30.19	74	73	72		"	"	10	"	
10			SSE	"	2		30.19	73	73	72		"	"	10	"	
11			"	"	2		30.19	72	73	73		"	"	10	"	
Mid.			"	NNE	1		30.19	72	73	71		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday June 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

[Editor's Note: The following note was pasted onto this logbook page, partially obscuring the watch entry for Meridian to 4 P.M.]

Received in Pay. Dept 7 boxes black tea 7 bbls flour 3 bbls rice 12 bbls beans 12 bbls sugar 7 bbls coffee 4 bbls molasses.

Equip Dept 1 coil satin 20 Kiar brooms.

Cons. Dept. 1 bbl. boiled oil. 2 cans turpentine.

Engineers Dept 12 corn brooms. 2 gals copal varnish. 3 bbls lamp wick. 12 scrub brushes. 3 bbls lime. 15 bath. bricks. 4 brass padlocks. 4 gals[gallons] Japan varnish. 3 bbls cotton wad.

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday June 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs to light breeze from E.S.E. and E.
Bar[ometer] steady. Riding to ebb.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Calm and light airs from N.N.E. Bar steady. Sea smooth.
Tide turned flood at 7.00. at 6.30 tug came alongside and took lighter up to store house.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear and pleasant. Light airs from N. and N.N.E. At 8.40 made
int[errogetory] signal 3357. Flag Ship answered 904. A board of survey composed of the
following officers Lieuts E. S. Houston T. T. Woods and Boatswain Robert Anderson reported
on board and surveyed a quantity of running rigging in Equip Dept. A board of survey composed
of T. T. Woods W. P. Day and C. K. Curtis surveyed a quantity of provisions flour bread & coffee
in Pay. Dept. Received in Pay. Dept. stores as per list Half masted colors for a funeral
procession from Hartford. Swung to flood at 8.30. Slack water at 12

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. [First part unreadable due to note pasted over entry] light airs from E.N.E.
and E.S.E. Bar falling. Sea smooth. At 2.40 Flag Ship fired a salute of 15 guns with American
ensign at fore At 2.45 American Minister visited this ship American Minister left at 3.30.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear and pleasant. Calm. At 5 Flag Ship made general signal 2985.
Ans[wered] Riding to the ebb.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Clear and pleasant. Calm and light airs from S.E. & N.N.E. Bar steady. Sea
smooth. Ebb tide

Signed C. K. Curtis
Lieut

Moon phase last qr. Dec. N. 26 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			N by W	NNE	0-1		30.19	72	73	72		b	None	10	S	
2			NNE	"	0		30.19	71	72	71		"	"	10	"	
3			N	North	0-1		30.19	71	71	70		"	"	10	"	
4			"	"	1		30.16	70	71	70	bcm	Cum		9	"	
5			"	Calm			30.16	70	69	68	"	"	"	5	S	
6			"	"			30.16	70	69	68	"	"	"	6	"	
7			"	NE	0-1		30.16	70	69	68	"	"	"	8	"	
8			"	N	1		30.20	70	70	69	"	"	"	8	"	
9			NE by N	NNW	1		30.20	70	70	69	"	"	"	8	"	
10			SSW	NW	0-1		30.20	70	71	70	"	"	"	8	"	
11			SW	WNW	0-1		30.20	70	72	70	"	"	"	8	"	
Noon.			WSW	"	1		30.20	70	72	70	"	"	"	9	"	

Distance run by Log since preceding Noon	knots	Fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1100 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			WNW	Calm	0		30.16	71	73	73	bc	Cum		9	S	
2			NW	SSE	2		30.13	72	74	73	"	"	"	9	"	
3			"	"	3		30.13	72	74	70	"	"	"	9	"	
4			"	"	3		30.13	72	74	73	"	"	"	9	"	
5			WNW	"	2		30.13	72	75	72	"	"	"	8	"	
6			W by N	"	2		30.13	72	73	72	"	"	"	7	"	
7			W by S	"	2		30.13	73	73	72	"	"	"	0	"	
8			WSW	"	2		30.13	73	73	72	"	"	"	8	"	
9			"	Calm	0		30.15	73	73	72	"	"	"	8	"	
10			"	"	0		30.15	73	73	72	"	"	"	7	"	
11			S by W	"	0		30.17	72	72	71	"	"	"	8	"	
Mid.			SSW	"	0		30.18	71	71	70	"	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday June 28, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs from N. Calm last hour.
Bar[ometer]. Falling slowly. Swung to ebb at 12.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Damp. Calm. Swung to ebb at 6.30. Bar. steady. At 7.30 Flag Ship
made general signal 3352

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Warm. Calm. At 8.55 Flag Ship made prep[atory] signal 5455. And
at 810 made gen[eral] sig[nal] 5455. At 8.15 loosed sail. At 8.30 inspected at quarters. Flood
tide.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Warm. Calm first hour. Light to gentle sea breeze from W.N.W. At
1 Flag Ship made prep 4826 and then general signal 4826. Furled sail. At 2.30 Flag Ship made
general signal 2984.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant Light airs from N Cum clouds.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Damp Overcast remainder of watch. Misty Calm

Signed J. K. Cogswell
Lieut

Moon phase 4th qr. Dec. N. 26 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			WNW	WNW	0-1		30.18	71	72	71		bc	Cir Cum	9		S
2			"	"	1		30.17	70	71	70		"	"	9		"
3			"	W by N	1-2		30.16	70	70	70		"	"	9		"
4			NW	"	1-2		30.15	70	68	68		"	"	5		"
5			"	NW by W	0-1		30.15	70	70	70		"	"	9		"
6			NW by N	"	0-1		30.15	70	70	70		"	"	8		"
7			NNW	North	1		30.15	70	70	70		"	"	8		"
8			"	"	1		30.17	70	71	71		"	"	7	"	
9			"	"	1		30.17	70	71	71		"	"	6	"	
10			SSW	NNE	1		30.20	71	73	73		"	"	8	"	
11			"	"	2		30.20	71	73	73		"	"	8	"	
Noon.			"	"	21		30.20	71	73	74		"	"	8	"	

Distance run by Log since preceding Noon	knots		Fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	2100 "
Water remaining on hand fit for me at Noon			2900 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NE	NNE	0-1	30.16	74	75	74	bc	Cum	8	S
2	N by W	"	0-1	30.15	74	76	75	"	"	9	"
3	NNW	"	1	30.15	74	77	76	"	"	9	"
4	"	Calm	0	30.15	74	78	77	"	"	9	"
5	W	S by E	2	30.15	75	77	75	"	"	9	"
6	SW	"	3	30.15	74	75	74	"	"	9	"
7	"	"	3	30.15	74	74	73	"	"	9	"
8	N	ENE	3	30.15	74	74	73	"	"	9	"
9	NW by N	"	1	30.18	74	74	73	"	"	9	"
10	WNW	"	0-1	30.20	74	74	73	"	"	9	"
11	S by E	"	0-1	30.20	74	74	73	"	"	9	"
Mid.	S	"	1	30.20	74	73	72	"	"	8	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday June 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Wind light from N.N.W. & W. by N.
Bar[ometer] falling Sea smooth.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear and misty. Pleasant. Light airs from N.W. by W. and N. Ebb tide At 7.30
Flag Ship made general signal 3352.

Signed Saml C. Lemly
Ensign

From 8 A. M. to Merid. Clear. Warm. Light N.N.E. breeze. Cir Cum clouds Received on board
2100 gals fresh water. At 9 swung to flood. Received stores in Medical and Engineers Depts as
per list. N. T. Consul General paid an official visit to the ship.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Warm. Hazy. Light breeze from N.N.E. and Calm Swung to ebb at
1.15 Bar[ometer] steady

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Pleasant. Gentle sea breeze. Riding between wind and tide. At 8 swung
to ebb. Cir Cum clouds.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light airs from N. and E.N.E. At 10 swung to flood

Signed C. B. T. Moore
Ensign

Moon phase last qr. Dec. N. 27 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			South	N by E	1		30.20	73	73	72		bcm	Cir Cum	8		S
2			WNW	"	1		30.20	73	73	72	"	"	8	"		
3			"	"	2		30.20	73	72	71	"	"	8	"		
4			"	"	2		30.20	71	71	70	"	"	7	"		
5			W by N	"	1		30.21	71	70	70	"	"	4	"		
6			NNW	N by W	1		30.21	71	70	70	"	"	2	"		
7			NW	"	0-1		30.23	70	71	70	"	"	1	"		
8			NNW	Calm	0		30.27	70	71	70	om	"	0	"		
9			N	"	0		30.29	70	71	70	bc	"	3	"		
10			NE	NNW	0-1		30.29	71	72	71	"	"	4	"		
11			South	Calm	2		30.29	72	73	72	"	"	5	"		
Noon.			"	South	1		30.29	73	73	73	"	"	5	"		

Distance run by Log since preceding Noon	knots		Fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2600 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	South	Calm	0	30.29	73	74	74	bc	Cir Cum St	8	S	
2	"	S by E	1	30.25	74	74	74	"	"	8	"	
3	NW	SSE	1	30.23	74	74	74	"	"	9	"	
4	N	"	1	30.23	74	76	75	"	"	5	"	
5	NNW	S	2	30.21	74	76	76	"	"	3	"	
6	NW	"	2	30.21	74	75	75	"	"	4	"	
7	W	"	2	30.21	74	75	75	"	"	2	"	
8	SSW	ESE	3	30.21	74	74	73	"	"	2	"	
9	W	"	2	30.21	74	74	73	"	"	4	"	
10	SSE	"	1	30.22	74	74	73	"	"	8	"	
11	"	Calm	0	30.22	73	74	73	"	"	9	"	
Mid.	"	ENE	0-1	30.22	73	74	73	"	"	10	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday June 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Misty. Light airs from N. Cir Cum clouds. At 3.30 swung to ebb. Current about 1-5 knots.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Cool. Misty. Light airs first two hours from N. and W. Calm last two. At 7.30 Flag Ship made general signal 3352. Riding to the ebb.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy. Warm. Hazy. Calm and light airs from N. At 9.40 inspected at quarters. At 10 Comdg. Officer inspected ship and crew at quarters. Afterwards ready prayers. Swung to flood at 10.15.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Calm first hour. Light airs rest of watch from S. by E. and S.S.E. Sent C. H. Moulton (Sch. Mr) to Misrecordia hospital on shore upon recommendation of Surgeon. Swung to ebb at 3.

Signed James K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy. Pleasant. Light to gentle breeze from S. and S.S.E. At 5.15 made inter[ogatory] signal 4881. Flag Ship made general signal 5040 and date signal answering 184. At 5.30 Flag Ship made general signal 2985. Riding between wind and tide.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light airs first two hours from E.S.E. Calm and light airs from E.N.E. remainder of watch.

Signed James K. Cogswell
Lieut

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SSW	Calm	0		30.22	73	73		bc	Cum	9	S	
2			N by W	"	0		30.22	73	73		"	"	9	"	
3			N	"	0		30.20	73	73		"	"	9	"	
4			N by W	East	0-1		30.20	73	72		"	"	9	"	
5			NNW	Calm	0		30.20	71	71	72	bcp	"	8	"	
6			NW by N	"	0		30.20	71	71	72	"	Cum Nimb	6	"	
7			"	"	0		30.21	71	71	71	"	"	4	"	
8			"	North	1-2		30.23	71	71	70	"	"	1	"	
9			NNW	NW	1		30.24	71	71	72	om	"	0	"	
10			NNE	N	0-1		30.23	71	71	73	bc	"	8	"	
11			S by E	Calm	0		30.21	71	71	73	"	"	9	"	
Noon.			"	"	0		30.21	72	72	73	"	"	9	"	

Distance run by Log since preceding Noon	knots	Fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		2300 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	S	Calm	0	30.21	72	75	74	bc	Cum	9	S
2	"	E	0-1	30.18	72	75	74	"	"	9	"
3	West	ESE	1-2	30.13	72	76	75	"	"	9	"
4	WNW	"	1-2	30.12	74	77	75	"	"	9	"
5	N	"	1	30.12	75	76	76	"	"	9	"
6	NW	"	1	30.12	75	76	75	"	"	9	"
7	"	Calm	0	30.10	75	75	74	b	None	10	"
8	"	NNW	0-1	30.10	75	75	74	b	None	10	"
9	"	"	1	30.13	75	76	75	"	"	10	"
10	"	"	0-1	30.13	75	75	74	"	"	10	"
11	W	NW	0-1	30.12	74	74	70	"	"	10	"
Mid.	W by S	"	0-1	30.12	74	74	73	"	"	10	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday July 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Calm first three hours. Light airs from E. last hour. Swung to flood at 2.15.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant first hour. Cloudy and foggy latter part. Calm and light breeze from N. Bar[ometer] steady. Sea smooth. Tide turned ebb at 7.00. At 7.30 Flag Ship made general signal 3352.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast first hour. Clear and hazy rest of watch. Light airs from N. and N.W. first hours. Calm latter part. At 9.30 exercised at general quarters. Times casting loose Eng. Div. 45 s[econds]. Surgeons Div. 1 m[inute] 45 s. Nav. 2 m 2 s. Pdr. Div. 3 m 45 s. 1st Div. 4 m 25 s. 2nd Div. 5 m 25 s. At 10.45 a General Court Martial composed of the following Officers. Comdr. W. S. Schley, Lieuts Black, Houston, Pay & Curtis, P.A. Paymaster Stauchiff and Capt. Meade (U.S.M.C.) as judge [advocate] convened on board this vessel to try Paymaster Clerk J. A. Reade of the Hartford. G. C. adjourned at 11.45 until 10 A.M. to-morrow. At 9.30 made genl [general] sig[nal] 3247. Got sheet anchor on starboard bow and bent starboard chain. Swung to flood at 11.

Signed James K. Cogswell
Lieut

From Merid. to 4 P.M. Weather clear and warm. Calm and light airs from E. and E.S.E. Bar falling Sea smooth. At 1 Medical board of survey consisting of medical inspectors A. C. Googas P. A. Surgeon M. Bradley & P. A. Surgeon A. M. Moore convened on board. Tide turned ebb at 3.30.

Signed C. K. Curtis
Lieutenant

From 4 to 8 P.M. Clear and pleasant. Calm and light airs first part from S.S.E. latter part from N.N.W. At 10 Flag Ship made general signal 2984. And at 5.15 genl sig 5040. Riding to the ebb.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Clear and pleasant. Light airs from N.N.W. and N.W. Bar rising slowly. Sea smooth Tide turned flood at 10.45.

Signed C. K. Curtis
Lieut

Moon phase 1st qr. Dec. N. 21°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW by W	NW	2	30.12	74	74	73	b	None	10	S		
2			SW	"	2	30.11	73	74	73	"	"	10	"		
3			NW by N	"	1	30.11	72	74	73	"	"	10	"		
4			"	"	0-1	30.11	72	73	72	"	"	10	"		
5			NNW	"	2	30.11	73	73	72	bc	Cum	9	"		
6			"	N	2	30.10	73	73	72	"	"	9	"		
7			N by W	"	2	30.10	73	72	72	"	"	9	"		
8			"	"	2	30.13	73	73	72	bc	"	7	"		
9			N	"	2	30.15	73	74	73	"	"	6	"		
10			"	"	1-2	30.15	74	75	74	"	"	6	"		
11			"	"	1	30.15	75	77	76	"	"	6	"		
Noon.			ENE	"	1	30.15	75	77	75	"	"	6	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water			"
during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2000 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.											
1	ENE	N by E	1	30.10	76	77	76	bc	Cum	6	S
2	South	"	1	30.18	76	78	76	"	"	6	"
3	W by N	NNE	1	30.06	77	79	77	"	"	6	"
4	N	"	1	30.05	77	80	78	"	"	6	"
5	N by W	"	0-1	30.05	77	81	79	"	"	8	"
6	NNW	Calm	0	30.05	77	78	77	"	"	9	"
7	NW by N	"	0	30.05	77	78	77	b	None	10	"
8	NW	"	0	30.05	77	78	77	"	"	10	"
9	"	"	0	30.08	76	78	77	bc	Cur Cum	9	"
10	NNW	"	0	30.08	76	78	77	"	"	9	"
11	NW by N	"	0	30.08	76	77	76	"	"	9	"
Mid.	SW	"	0	30.08	75	76	75	"	"	8	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday July 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs to light breeze from N.W. Swung to ebb at 2.30

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Clear and pleasant. Light N[orthe]rly breeze. Cir. Cum. clouds. American str [steamer] City of Pasa came in and anchored. Followed Flag Ship in exchanging colors with her. At 7.30 Flag Ship made gen[eral] sig. 3352.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear and pleasant. Wind light from W. Bar[rometer] steady. Sea smooth At 9.15 inspected at quarters. Sounded assembly and drilled at company drill. At 9.30 made gen. Sig 3247 At 940 Flag Ship made gen sig 5405 and G. C. convened on board. At 10.30 adjourned to meet at 10 to-morrow. By order of Comdr. the following punishments were awarded. J. C. Peak (O.S. 2c) G. W. Stellan J. B. Stanley (OS 2c) P. H. Emmons (OS 2c) 3 days on qr [quarter] deck for not coming aft when word was passed. Aug. Seres 2 hrs extra duty for having clothes in lucky bag. Allen Christian (Nurse) 1 extra for having hammock too dirty to stow in netting

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear and warm. Light N. airs. Bar. falling slowly. Received in Const[truction] Dept 32 pieces white Pavoba [approximate spelling] 6' 2" long, 6 x 2". P. A. Engineer J. W. Gardiner reported on board for duty in obedience to orders from Navy Dept. Swung to flood at 1 & to ebb at 3.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Warm. Calm and light airs from N.N.E. Bar steady. Sea smooth. At 5.30 Flag Ship made genl. sig 2985. Ans[wered]. Ebb tide.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Clear. Pleasant. Damp. Calm. At 11 swung to flood. By order of Comdr. Paul Shelly was confined w[ith] double irons to await further investigation for assaulting ship mate.

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			SSW	Calm	0	30.09	74	76	74		b	None	10	S			
2			S by W	"	0	30.08	74	75	74		"	"	10	"			
3			SSW	"	0	30.08	73	74	74		"	"	10	"			
4			NW	"	1	30.08	73	74	74		"	"	10	"			
5			N by W	NNW	1	30.08	73	73	73		"	"	9	"			
6			NNW	"	1	30.08	73	73	73		bcz	Cum Nimb	8	"			
7			"	"	1	30.08	72	71	71		"	"	9	"			
8			NW	"	1	30.10	73	72	72		"	"	9	"			
9			North	South	1	30.10	73	73	72		"	"	9	"			
10			"	"	1	30.15	74	75	74		bc	"	9	"			
11			"	"	1	30.15	74	75	74		"	"	9	"			
Noon.			"	"	2	30.15	77	77	76		"	"	9	"			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SE	N	2	30.10	77	78	77	bc	Cum Str	9	S
2	S	"	1	30.08	77	78	77	"	"	9	"
3	SSW	"	0-1	30.07	77	78	77	"	"	9	"
4	NW by N	"	0-1	30.06	78	80	77	"	"	9	"
5	North	"	1	30.06	78	80	78	"	"	9	"
6	"	"	1	30.06	78	80	80	"	"	9	"
7	"	"	1	30.06	78	79	78	"	"	9	"
8	NW	Calm	0	30.08	78	79	78	"	"	9	"
9	NW by N	NE	1	30.08	76	79	74	"	"	10	"
10	NW	NNE	2	30.08	76	76	74	b	None	10	"
11	N by W	"	2	30.08	76	76	74	"	"	10	"
Mid.	N	"	1	30.08	76	76	74	"	"	10	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	*	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday July 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Calm. Bar[ometer] falling slowly. Sea smooth
Tide turned ebb at 3.30

Signed C. K. Curtis
Lieutenant

From 4 to 8 A.M. Clear. Hazy. Pleasant. Light airs from N.N.W. Riding to ebb. At 7.30 Flag Ship
made general sig[nal]. 3352.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and pleasant. Light airs from N. Bar falling slowly. At 9.30 made
general sig 3247. Inspected at quarters and exercised as per routine. At 9.35 Hart[ford] made
1087. Ans[wered] and sent a boat. At 10.10 Court Marital met pursuant to adjournment By order
of Comdr W. Shelly (Lds) was placed in solitary confinement for assaulting a shipmate. In
obedience to orders from bureau of Eqpt & Recruiting Jas Weeklis (OS) was at his own request
discharged from the ship and service.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and warm. Light airs from N. and calm. Court adjourned at until 10
A.M. 5th instant At 3.40 Flag Ship made general sig 2984. Ans. Swung to flood at 12.40 Slack
water at 3.30

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and warm. Light airs from N. and calm. Bar steady.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light airs to light breeze from N.E. and N.N.E. Riding to
ebb. Bar. steady.

Signed W. H. Allen
Midshipman

Moon phase 1st qr. Dec. N. 10°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NNW	N	2	30.08	75	70	74		vc	Cir Cum	9	S	
2			S by W	"	2	30.08	73	74	73		"	"	9	"	
3			"	"	2	30.08	73	74	73		"	"	9	"	
4			SW	"	2	30.08	73	74	73		"	"	9	"	
5			W	"	2	30.07	73	70	72		"	Cir Str	8	"	
6			NW	"	2	30.09	73	72	72		"	"	8	"	
7			NW x N	"	2	30.09	72	71	71		"	"	8	"	
8			"	"	2	30.10	71	71	70		"	"	8	"	
9			"	"	2	30.12	73	73	72		"	Cir Cum	8	"	
10			"	"	2	30.14	74	75	74		"	"	7	"	
11			N	"	2	30.14	74	76	75		"	"	7	"	
Noon.			N by E	"	2	30.14	74	76	75		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		1400 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			S by W	N	2	30.12	76	76	75		bc	Cir Cum	8	S	
2			"	S by W	1	30.10	77	78	77		"	"	9	"	
3			"	"	2	30.10	77	78	77		"	"	9	"	
4			"	"	2	30.10	77	78	77		"	"	9	"	
5			SSW	S	2	30.10	76	78	77		"	"	9	"	
6			NNW	"	2	30.10	75	76	75		"	"	9	"	
7			NW by N	"	1	30.09	74	75	75		"	"	9	"	
8			"	"	1	30.09	74	75	74		b	None	10	"	
9			N by W	Calm	0	30.09	74	76	75		"	"	10	"	
10			SW	"	0	30.10	74	76	75		b	None	10	"	
11			W by S	"	0	30.10	74	75	74		"	"	10	"	
Mid.			N by W	"	0	30.10	74	75	74		"	"	10	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday July 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Damp. Light land breeze from N. Cir. Cum clouds Swung to flood at 1.30

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear pleasant weather. Light N[orthe]ly breeze. Swung to ebb at 6. At 9.30 Flag Ship made gen[eral] sig[nal] 3352. At sunrise dressed ship rainbow fashion being of the anniversary of the national anniversary.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Clear and pleasant. Riding to ebb. Light breeze from N. At 9.30 made general sig. 3247. At 10.30 Court martial met. At 10.25 Court adjourned until 10 A.M. 5th instant At 12 fired a salute of one round. Hartford and Brazilian Flag Ship ~~made~~ fired salutes of 21 guns. By order of Comdr. Wm. Walker (Qt Mt) was derated to seaman at his own request and J. C. Lynch (Sea) was rated Quarter master

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant Light breeze from N. first hour from S. by W. rest of watch C. H. Moulton (Sch Mr) returned on board from hospital ashore. Swung to flood at 2.30.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Light breeze to light airs from S. Swung to ebb at 5.30

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Calm. Heavy dew Riding to ebb.

Signed J. K. Cogswell
Lieut

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			N by E	NNW	0-1	30.10	72	73	72	b	None	10	S		
2			SE by S	NNE	1	30.10	72	73	72	"	"	9	"		
3			SE	"	2	30.10	72	73	72	bc	Cir Cum	9	"		
4			SSE	"	1	30.10	72	73	72	"	"	9	"		
5			N by E	Calm	0	30.10	72	73	71	o	"	0	"		
6			N by W	"	0	30.10	72	72	71	"	"	0	"		
7			NNW	"	0	30.12	72	72	70	bc	Cum	3	"		
8			N by W	ENE	1	30.12	71	71	70	o	"	0	"		
9			NW by N	Calm	0	30.14	72	71	71	om	"	0	"		
10			SSW	SSE	1	30.14	71	72	72	"	"	8	"		
11			S	"	1	30.14	72	73	72	"	"	9	"		
Noon.			ESE	"	1	30.15	75	73	72	"	"	9	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1100 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	ESE	North	1	30.13	72	73	73	bc	Cum	9	S
2	N by E	"	1	30.13	73	74	73	"	"	9	"
3	S by E	"	1	30.12	76	77	75	"	"	9	"
4	S by W	"	1	30.10	76	77	75	"	"	9	"
5	"	Calm	0	30.10	76	77	76	om	"	9	"
6	"	"	0	30.10	76	76	75	"	"	0	"
7	NNW	"	0	30.07	76	76	75	b	None	0	"
8	NW by N	"	0	30.08	76	76	75	"	"	10	"
9	NW	"	0	30.08	75	75	74	"	"	10	"
10	W	NW	1	30.08	74	74	73	"	"	10	"
11	"	"	1	30.09	75	74	72	"	"	10	"
Mid.	"	"	1	30.09	72	73	73	"	"	10	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday July 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Light airs to light breeze from N.N.E. Damp. Swung to flood at 1.40.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Calm and light airs from E.N.E. Bar[ometer] rising slowly Sea smooth. Ebb tide at 7.30. Flag Ship made general signal 3351.

Signed W. G. Hannum
Midshipman

From 8 A. M. to Merid. Overcast and misty first hour. Clear rest of watch Light airs from S.S.E. At 9.30 exercised at fire quarters. 1st stream 10 sec[onds]. 2nd stream 2 m[inutes]. 3rd stream 35 m. General Court Martial met according to adjournment and at 12 took a recess for an hour Lieut C. K. Curtis and Wm Rich W. Fremount were sent to Misrecordia hospital upon recommendations of surgeon. By order of Comdr Paul Shelly Lds was released from confinement. Received in Equip. Dept. Boatswains silver call. Tide turned flood at 4.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Clear and Warm. Wind light from N. Bar falling. Sea smooth Slack water at 2. Turned flood at 2.30. G. C. reconvening. Received on board in Medical Dept. 5 lbs white sugar, 4 lbs arrowroot and in Construction Dept. 21 paint brushes.

Signed W. G. Hannum
Midshipman

From 4 to 8 P.M. Clear. Calm Misty around horizon. G. C. adjourned at 4 until 10 A.M. to-morrow. Tide turned ebb at 6.30

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Calm and light breeze from N.W. Bar. rising slowly. Sea smooth. Ebb tide slack water at 11.30

Signed W. G. Hannum
Midshipman

Moon phase 1st qr. Dec. S. 21°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NNW	NNW	1	30.09	72	72		b	None	10	S		
2			"	"	0-1	30.09	72	72		"	"	10	"		
3			SW by W	"	1	30.09	72	71		"	"	10	"		
4			S	"	1	30.09	71	71		"	"	10	"		
5			W	North	2	30.10	71	72		bcm	Cir Cum	9	"		
6			W by N	"	2	30.10	71	72		"	Cir Cum	9	"		
7			"	"	2	30.10	71	72		"	"	9	"		
8			"	"	2	30.10	72	72		"	"	9	"		
9			NW by N	"	1	30.12	73	72		"	"	9	"		
10			"	"	1	30.15	74	73		"	"	9	"		
11			N	"	1	30.15	74	74		"	"	9	"		
Noon.			N by E	"	1	30.15	74	74		"	"	9	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		gallons.
Water		during the preceding 24 hours
Water remaining on hand fit for me at Noon		" "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	N by E	N	1	30.10	74	75	74	bz	None	10	S
2	"	S by E	1	30.08	75	74	75	"	"	10	"
3	NE	"	3	30.06	76	78	76	"	"	10	"
4	SE	"	3	30.07	76	77	75	"	"	10	"
5	S	"	2	30.06	75	75	74	"	"	10	"
6	"	"	1-2	30.05	75	75	74	"	"	10	"
7	W by S	"	2	30.05	75	75	74	"	"	10	"
8	N by W	Calm	0	30.05	75	74	73	bcm	Cir Cum	8	"
9	NW	"	0	30.12	75	74	73	"	"	8	"
10	NNW	"	0	30.12	74	74	73	"	"	9	"
11	SSW	"	0	30.15	74	74	73	"	"	9	"
Mid.	SW	"	0	30.15	73	74	73	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday July 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and damp. Light airs from N.N.W. and W.N.W. Tide turned flood at 3.

Signed James K. Cogswell
Lieut

From 4 to 8 A.M. Clear. Damp. Light land breeze from N. Cir. Cum. clouds. At 5.30 Swung to ebb. Received in Pay. Dept. 45 lbs beef and same amount of vegetables.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear and warm. Wind light from N. Bar[ometer] rising. Sea smooth. Turned flood at 9.45 At 9.30 made general signal 3247. Ans[wered] by Hartford. Court Martial convened at 10.05. At 11.40 took a recess until 1 P.M.

Signed W. G. Hannum
Midshipman

From Merid. to 4 P.M. Cloudless and pleasant. Hazy. Tide turned ebb at 3.30. At 2.50 Court adjourned until 10 A.M. to-morrow. An English steamer (S. & H) came in. A small Brazilian Gunboat came down from the Navy Yard and returned. Received from Water boat 2500 gals fresh water.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Weather pleasant. Sky cloudless. Hazy. Wind light from S. by E. Bar. steady Sea smooth. Slack water at 6. Swung to ebb at 7.30.

Signed W. G. Hannum
Midshipman

From 8 P.M. to Mid. Clear. Damp. Cir. Cum. clouds. Calm. Swung to flood at 11.10

Signed Saml. C. Lemly
Ensign

Moon phase 1st qr. Dec. S. 9°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			N by W	NW	0-1	30.13	73	74	73		bc	Cum Nimb	3	S	
2			"	"	0-1	30.12	73	72	72		"	"	2	"	
3			WSW	"	1	30.11	73	72	72		"	"	3	"	
4			SW by S	"	0-1	30.10	73	72	71		"	"	1	"	
5			SSW	"	1	30.10	72	73	72		bcm	"	2	"	
6			S by W	Calm	0	30.10	72	73	72		"	"	7	"	
7			WNW	"	0	30.11	72	72	72		bcf	"	5	"	
8			NNW	W	1	30.12	72	72	71		"	"	2	"	
9			"	"	1-2	30.15	72	72	71		"	"	4	"	
10			"	NNW	1-2	30.15	72	73	72		bc	"	6	"	
11			NW by N	"	1	30.15	73	74	73		"	"	6	"	
Noon.			W by S	"	0-1	30.15	73	75	74		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NNW	Calm	0	30.12	74	76	75	bcm	"	9	S
2	SSE	SSE	3	30.10	74	76	75	"	"	8	"
3	SE by S	"	3	30.10	74	75	75	"	"	8	"
4	SSE	"	3	30.10	74	75	75	"	Cum Nimb	8	"
5	S by E	South	3	30.13	74	75	74	"	"	7	"
6	S	"	3	30.13	74	74	72	"	"	2	"
7	S by W	"	3	30.14	72	74	72	"	"	2	"
8	"	"	3	30.15	72	74	72	"	"	4	"
9	W by S	"	3	30.15	72	74	72	om	"	0	"
10	SW by W	"	3	30.15	72	74	72	"	"	0	"
11	SSW	"	1	30.15	72	74	72	"	"	0	"
Mid.	"SW	NW by N	1	30.15	72	72	73	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday July 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and Damp. Wind light from N.W. Bar[ometer] falling slowly.
Sea smooth Tide turned flood at 2.30.

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Cloudy. Misty first hour. Foggy last two. Calms and light airs from N.W. and N.
Tide turned ebb at 6.30. At 7.30 Flag Ship made general signal 3350 Ans[wered]

Signed C B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Warm. Light land breeze from W.N.W. Cir Cum clouds. At 10
Comdg Officer inspected ship and crew at quarters and read prayers. Read articles of war and
mustered crew. August Jones (Lds) absent without leave Slack water at 12.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Misty. Calm 1st hour. Gentle breeze from S.S.E.
remainder of watch. Tide turned ebb at 4.30.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Gentle to moderate sea breeze from S. Cum Nimb clouds.
Upon recommendation of Surgeon threw overboard certain clothing of Lieut C. K. Curtis and the
clothing and bedding of Wm Rich Lds. Riding to flood

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Overcast. Pleasant. Gentle to light breeze from S. and N.W. by N.
Obscured moonlight Flood tide. Barometer steady.

Signed C. B. T. Moore
Ensign

Moon phase 1st qr. Dec. S. 15°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW by W	Calm	0	30.20	74	74	73		vcm	Cum	3	S	
2			N	"	0	30.20	74	74	73		"	"	4	"	
3			NW by N	"	0	30.20	74	74	73		"	"	2	"	
4			NW	"	0	30.20	72	74	72		"	"	2	"	
5			S by W	West	0-1	30.18	72	74	72		"	"	1	"	
6			SSW	W by N	0-1	30.18	72	74	72		om	"	0	"	
7			SW by S	Calm	0	30.18	71	74	73		vcm	"	4	"	
8			WNW	"	0	30.19	72	73	74		om	"	0	"	
9			W by N	NNW	1	30.19	73	74	75		bc	"	2	"	
10			NW	Calm	0	30.20	75	75	74		"	"	6	"	
11			NW by W	"	0	30.20	75	76	74		"	"	7	"	
Noon.			W by N	"	0	30.18	75	76	74		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		700 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1800 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	South	SSE	2	30.15	74	75	74	bc	Cum	8	S
2	"	"	2	30.15	74	75	74	"	"	8	"
3	"	"	2	30.12	74	75	74	"	"	9	"
4	"	"	1	30.12	74	75	74	"	"	9	"
5	"	"	2	30.11	74	75	74	"	"	8	"
6	"	S	2	30.10	74	74	73	"	"	5	"
7	SSW	"	2	30.14	75	74	73	"	"	2	"
8	"	"	3	30.14	73	74	73	om	"	0	"
9	SW by S	"	3-4	30.14	73	73	72	"	"	0	"
10	SSW	SSW	4-5	30.14	73	73	72	"	"	0	"
11	"	"	4	30.17	73	72	71	"	"	0	"
Mid.	S by W	"	3-4	30.17	72	71	71	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Monday July 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Damp. Calm Cum Nimb clouds. At 1 swung to ebb.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and misty. Light airs from W. and W.N.W. first part. Calm latter part. At 7.30 Flag Ship made general signal 3350. Tide turned flood at 5.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Clear. Warm. Light airs from N.N.W. first hour. Calm remainder of watch. At 9.20 exercised at general quarters. Cast loose Eng. Div. 1 m[inute] 45 sec[onds]. Powder Div. 3 m 45 sec. Surgeons 3.45. 2nd Div. 3 m 45 sec. 1st Div. 5 m. Secured. Eng. Div. 50 sec. Powder Div. 4 m 50 sec. 2nd Div. 4 m 50 s. 1st Div. 5. 50. Surgeons 5. 50 Nav. 5. 50. At 9.30 made general signal 3247. Court met at 10.13. At 10.30 Court adjourned to meet at 10 A.M. to-morrow.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light airs to light breeze from S.S.E. Swung to flood

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear first hour. Cloudy remainder of watch. Light to gentle breeze from S. Flood tide at 5.15. At 5.15 made interrog[etory] signal 5040. Flag Ship answered 904.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Overcast and pleasant. Gentle to moderate breeze from S.S.W. Long swell from S. and E. Ship rolling moderately. Flood tide

Signed J. K. Cogswell
Lieut

Moon phase 2nd qr. Dec. S. 20°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SSW	S	4	30.16	72	71	70	o	Cum Nimb	0	S		
2			SW	S by W	3	30.16	72	71	70	"	"	0	"		
3			NW	"	2	30.16	72	71	70	"	"	0	"		
4			N by W	Calm	0	30.16	72	71	70	"	"	0	"		
5			WSW	WSW	1	30.17	71	72	71	"	"	0	"		
6			SSW	"	1	30.18	71	72	71	"	"	0	"		
7			SW	"	1	30.20	70	72	71	"	"	0	"		
8			"	"	1	30.21	70	71	70	"	Cir Cum	0	"		
9			NW	NW	1	30.21	71	71	70	bc	"	0	"		
10			N by W	NNE	1	30.23	73	74	73	"	"	1	"		
11			N	NE	1	30.24	73	74	73	"	"	3	"		
Noon.			NNW	NNW	1	30.25	74	74	73	"	"	2	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1500 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SW	S	1	30.20	73	74	73	bc	Cir Cum	5	S
2	SSW	"	1-2	30.19	74	74	73	"	"	3	"
3	SW	"	1-2	30.18	74	74	73	"	"	3	"
4	W	"	2	30.18	74	74	72	"	"	3	"
5	"	"	2	30.18	74	74	73	"	"	2	"
6	S	"	2	30.17	74	72	71	"	"	0	"
7	S by W	"	1	30.19	72	72	71	"	"	0	"
8	S by E	"	1	30.19	72	72	71	"	"	0	"
9	SSW	"	1	30.18	73	72	71	"	"	0	"
10	WSW	"	0-1	30.18	73	72	71	"	"	0	"
11	WNW	"	0-1	30.18	72	72	72	"	"	0	"
Mid.	N	Calm	1	30.18	72	73	72	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday July 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast Pleasant Moderate breeze from S. dying out latter part.
Tide turned flood at 2130

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy but pleasant. Wind light from. W.S.W. Bar[ometer]. rising Sea smooth.
At 7.30 Flag Ship made general signal 3351. Confined James Flynn (P.M.) in double irons for
safe keeping being intoxicated Flood tide

Signed W. G. Hannum
Midshipman

From 8 A. M. to Merid. Cloudy and warm. Light airs from N.W. first part shifting to N. and E. at 9
A.M. Italian Steamer came in and anchored. At 9.15 inspected at quarters and exercised at
battalion drill. At 9.30 made general signal 3247. At 10 General Court Martial met. Court took a
recess for an hour. Carpenters gang engaged in putting graving pieces in wake of broadside
gun

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy. Pleasant Wind light from S. Bar falling Sea smooth
Turned flood at 2.15 General Court Martial adjourned at 3.15 to meet at 10 A.M. to-morrow.
Carpenters gang at work on deck in wake of guns

Signed W. G. Hannum
Midshipman

From 4 to 8 P.M. Cloudy first part overcast last part. Pleasant. Light airs from S. By order of
Comdr placed Jas. Flynn (P.M.) in solitary confinement on bread and water for getting drunk
aboard ship and assaulting another of the crew. At 4.20 made interrog[atory] signal 3918. At
sunset Flag Ship made general signal 2980. Sent Geo. Vaughn (W.G.B.) to Misrecordia hospital
upon recommendation of Surgeon. Swung to flood at 5.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy Pleasant Calm and light airs from S. Bar. steady Sea smooth Tide
turned ebb at 10.45

Signed W. G. Hannum
Midshipman

Moon phase 2nd qr. Dec. S. 214°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NNW	NNW	2		30.18	72	73	72		s	Cum	0		S
2			NNW	"	1		30.18	72	73	72		"	"	0		"
3			NW	NW	1		30.18	72	73	72		bc	Cir Cum	3		"
4			N	"	0-1		30.18	72	73	72		"	"	3		"
5			N by W	N	1		30.17	71	70	70		bcq	Cir Cum Nimb	4		"
6			NNE	"	0-1		30.17	71	70	70		"	"	4		"
7			"	Calm	0		30.19	71	70	70		"	"	4		"
8			S	"	0		30.20	70	71	70		"	"	2	"	
9			SSW	"	0		30.24	70	71	70		bcq	"	2	"	
10			W	N by W	1		30.24	70	72	71		"	"	2	"	
11			NW	"	1		30.24	71	72	71		"	"	3	"	
Noon.			N by W	"	1		30.24	71	74	73		"	"	3	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			500 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			1000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	South	South	2	30.22	71	74	73	bcg	Cir cum	5	S
2	"	"	2	30.20	73	74	73	"	"	5	"
3	"	"	1	30.20	73	74	73	"	"	5	"
4	"	"	1	30.20	73	74	73	"	"	5	"
5	N by E	ESE	1	30.18	72	74	73	"	"	2	"
6	"	"	1	30.18	73	74	73	"	"	2	"
7	SW	"	0-1	30.18	74	74	73	"	"	2	"
8	S	Calm	0	30.18	73	74	73	"	"	1	"
9	S by E	"	0	30.18	75	74	73	"	"	1	"
10	S by W	"	0	30.15	73	74	73	"	"	4	"
11	W	"	0	30.15	73	74	73	"	"	4	"
Mid.	N by E	"	0	30.15	73	74	73	"	"	4	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday July 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast first part. Cloudy latter part. Light airs from W.S.W. and N.W. Long swell. Ship rolling moderately. Ebb tide.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy Damp. Foggy. Light N[orth]rly airs and calms. Slack water at 6.40. Swung to ebb at 7.50. At 7.50 Flag Ship made general signal 3351.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy and hazy. Pleasant. Calm and light airs from N. by W. Bar[ometer] steady Long swell. At 915 inspected at quarters exercised 1st and 2nd Div at great guns. Marine guard at manual. At 9.30 made general sig[nal] 3247. Court met at 10.00. Carpenters gang at work on deck in wake of guns. Tide turned ebb at 10.

Signed W. G. Hannum
Midshipman

From Merid. to 4 P.M. Hazy. Pleasant. Light airs from S. Carpenters gang renewing deck under broadside guns. At 2.40 Court adjourned to meet at 10 A.M. to-morrow. Tide turned ebb but ship riding to wind. Long swell. Received in Medicine Dept. 5 lbs carbolic acid.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear and pleasant. Wind light from E.S.E. Calm last hour. Long swell from S. Tide turned flood at 5.45. Slushed spars. Sent Fredrick Wolfinger (O.S.) to hospital on shore upon recommendation of Surgeon.

Signed W. G. Hannum
Midshipman

From 8 P.M. to Mid. Cloudy. Calm. Damp. Bright moonlight. Cir. Cum. clouds. Slack water at 11. Swung to ebb at 11.45.

Moon phase 2nd qr. Dec. S. 26°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NE	Calm	-		30.19	72	73	72		bcz	Cir Cum	5		S
2			N	"	-		30.19	72	73	72		"	"	5		"
3			NW	"	-		30.19	72	73	72		"	"	5		"
4			N by W	"	-		30.19	72	73	72		"	"	7		"
5			"	N	0-1		30.17	72	72	71		"	"	9		"
6			"	Calm	0		30.17	72	72	71		bc	"	7		"
7			NE by N	NE	1		30.18	72	71	71		"	"	8		"
8			E by N	NNE	1		30.22	72	72	71		"	"	6	"	
9			N	N by W	1		30.22	72	72	71		bcz	"	6	"	
10			"	NW	1		30.25	73	74	72		"	"	6	"	
11			NW	"	1		30.25	73	74	72		"	"	6	"	
Noon.			W	"	1		30.25	73	74	72		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N by W	Calm	0	30.19	74	75	74	bc	Cum	4	S
2	NE by N	SE	2	30.18	74	75	74	"	"	3	"
3	SW by W	SSE	2	30.16	76	75	74	"	"	3	"
4	W	S	2	30.16	76	75	74	"	"	5	"
5	"	"	2	30.16	76	75	74	"	"	6	"
6	"	"	2	30.15	76	75	74	"	"	7	"
7	NNE	West	1	30.15	76	75	75	"	"	7	"
8	ENE	"	1	30.15	76	75	74	"	"	7	"
9	S by E	S	1	30.20	75	74	73	"	"	8	"
10	S	E by S	1	30.20	74	74	73	"	"	9	"
11	"	E	2	30.20	73	74	73	"	"	9	"
Mid.	WSW	Calm	0	30.20	72	74	72	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday July 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially cloudy. Damp. Calm. Bar[ometer] falling. Long swell from S. Ebb tide.

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Clear and pleasant. Calm and light airs from N. Bar rising. At 7.30 Flag Ship made general signal 3352. Slack water at 7.00.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Hazy but pleasant. Light airs from N. by W. and N.W. Bar. rising slowly. At 10 Court Martial met pursuant to adjournment At 8.50 Hart[ford] made prep[atry] 5455 and at 8.55 5455. Several sail. At 9. she made 2725. Ans[wered]. At 9.30 made 3247. Hartford answered. Mustered and inspected at quarters. Carpenters gang engaged in renewing deck under broadside guns. Comdr. Boardmen of H.B.M. Gunboat Grifon called officially on Comdg. Officer.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy Warm Calm first hour. Light breeze from S. E. shifting S. remainder of watch. At 3 Court adjourned to meet at 10 A.M. to-morrow. At 3.30 Flag Ship made prep signal 48216 and at 3.40 48216. Furled sail.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Light sea breeze first half after which land breeze from E. At 3 made interrog signals 6222. Hartford answered and made 904. At 5.10 Hartford made prep 8197. 1537. Answered At 5.15 she made 8219. Answered. Scraped spars Ebb tide

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light variable airs first part. Calm last hour. Flood tide. Slack water at 11.30. Bright moonlight

Signed C. B. T. Moore
Ensign

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			N	Calm	0		30.20	72	73	72		bc	Cir Cum	5		
2			"	"	0		30.20	72	73	72		"	"	5		
3			N by W	N by E	1		30.19	72	72	70		"	"	5		
4			"	"	1-2		30.19	72	72	70		"	"	7		
5			N	N	1		30.21	70	71	70		bcom	"	9		
6			"	"	0-1		30.20	70	71	70		"	"	7		
7			"	"	0-1		30.20	70	71	70		bc	"	8		
8			W by N	"	0-1		30.21	70	71	70		"	"	6		
9			ESE	"	1		30.20	71	72	71		"	"	6		
10			SW by S	"	1		30.25	71	72	72		"	"	6		
11			WSW	"	1		30.25	72	72	71		"	"	6		
Noon.			N	NNW	1		30.22	74	74	73		"	"	6		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons.
Water		2250 "
Water remaining on hand fit for me at Noon		2800 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			North	NW	0-1		30.20	73	74	73		bc	Cir Cum	4		
2			NNW	SSE	1		30.18	75	76	75		"	"	3		
3			NW	"	2		30.16	75	76	75		"	"	3		
4			SW	"	3		30.16	74	76	76		"	"	5		
5			"	S by W	2		30.16	74	76	75		bcz	"	6		
6			WSW	"	2		30.15	74	76	75		"	"	7		
7			"	"	1		30.17	74	75	74		"	"	7		
8			W by S	Calm	0		30.20	74	75	73		"	"	7		
9			SW by S	"	0		30.20	74	74	73		"	"	8		
10			S	West	0-1		30.20	74	74	72		"	"	9		
11			SSW	NNW	1		30.20	73	74	72		"	"	9		
Mid.			S	"	1		30.20	72	73	73		"	"	9		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday July 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant. Calm first part Light land breeze from N. by E. Cir
Cum clouds. At 1230 swung to ebb. Bright moonlight

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant. Light airs from N. At 7.30 Flag Ship made general signal
3354. Received from water boat 2250 gals fresh water and in Pay. Dept. 150 lbs fresh beef &
155 lbs vegetables. Ebb tide.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Clear and pleasant. Light airs from N and NNW. At 9.30 exercised at fire
quarters. At 9.30 made general signal 3247. Court met at 10. At 12 Court took a recess until
P.M. Flood tide first two hours.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant Light airs first hour from N.W. rest of watch Light airs
to gentle breeze from S.S.E. Court met at 1 adjourned at 2.30 until 9 A.M. to-morrow Tide
turned flood at 3.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Hazy. Light breeze to light airs from S. by W. and S. At
4.20 Flag Ship made prep signals 2984 And at 4.30 general signals 2984. Tide turned ebb at
6.15.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear sky. Pleasant. Hazy around horizon. Calm first part Light airs rest of
watch from W and N.N.W. Bright moonlight. Flood tide

Signed J. K. Cogswell
Lieut

Moon phase 2nd qr. Dec. S. 27 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NW by N	NNW	0-1		30.21	72	73	72		bcm	Cir Cum	9	S	
2			N	N	1		30.20	71	72	71		"	"	9	"	
3			N by W	"	1		30.20	71	72	71		"	"	9	"	
4			NW by N	Calm	0		30.20	71	72	71		"	"	9	"	
5			"	"	0		30.20	71	70	69		"	"	3	"	
6			NW	"	0		30.20	71	70	69		om	"	0	"	
7			NW by N	NW	0-1		30.20	71	70	69		"	"	0	"	
8			"	"	0-1		30.30	69	70	69		"	"	0	"	
9			SE	NNE	1		30.28	70	71	70		"	"	0	"	
10			S by E	"	1		30.29	72	72	72		bcz	"	9	"	
11			S by W	NE	0-1		30.30	72	73	72		"	"	9	"	
Noon.			S	SW	2		30.29	74	73	72		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2500 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			SSW	SSW	2		30.30	74	75	74		bc	Cir Cum	5	S	
2			SW	"	2		30.30	74	75	74		"	"	5	"	
3			WNW	"	2		30.30	74	76	73		"	"	5	"	
4			N by W	"	3		30.30	74	75	73		"	"	7	"	
5			WSW	SSW	3		30.30	73	75	73		"	"	8	"	
6			W	SW	3		30.31	72	73	71		"	"	8	"	
7			WNW	WSW	2		30.32	73	73	71		"	"	8	"	
8			W	"	2		30.34	72	72	72		"	"	7	"	
9			SW	NW	2		30.38	73	73	72		"	"	5	"	
10			S by W	"	1-2		30.40	73	73	72		"	"	5	"	
11			"	"	1		30.40	73	73	71		"	"	3	"	
Mid.			SSW	"	1		30.40	72	70	71		"	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

*
observed at Sunset
at

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday July 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Misty. Bright moonlight. Light airs from N and calms. Riding to ebb.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and misty pleasant Calm first half. Light airs from N.W. last half. Bar[ometer] steady Sea smooth. Ebb tide. At 7.30 Flag Ship made general signal 3351. Answered.

Signed W. G. Hannum
Midshipman

From 8 A. M. to Merid. Clear and pleasant Hazy around horizon Light airs first part from N.N.W. At E. Light breeze latter part from N.W. At 9.10 Flag Ship made prep signal 3107. At 9.30 made general signal 3247. Court convened at 10.10 and at 11.45 adjourned with 10 A.M. 15th instant Jeremiah O Brien (1CT) reported the expiration of his term of enlistment Tide turned flood at 8.40.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy. Pleasant Wind light to gentle from S.S.W. Bar steady Sea smooth. Tide turned ebb at 2.30 At 2.35 Flag Ship made prep signal 2240.

Signed W. G. Hannum
Midshipman

From 4 to 8 P.M. Clear and pleasant Light to gentle breeze from S.S.W. to W.S.W. Sent a liberty on shore. Ebb tide.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy. Pleasant. Wind light from N.W. Bar rising slowly. Sea smooth Tide turned flood at 8.50.

Signed W. G. Hannum
Midshipman

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Sugar Sy., in lbs. lb.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW by W	NW by N	1		30.30	72	73	72		bc	Cum	9	
2			NNW	"	1		30.30	72	73	72		"	"	9	
3			N by W	"	2		30.30	72	73	72		bcp	"	5	
4			NNW	"	1		30.30	72	73	72		"	"	4	
5			N by W	Calm	0		30.38	71	71	70		"	Cum Nimb	5	
6			N	"	0		30.38	71	71	70		"	"	3	
7			WNW	NW	1-2		30.38	71	71	70		orp	"	0	
8			"	"	1		30.35	71	71	70		"	"	0	
9			NW	"	1		30.35	71	71	70		or	"	0	
10			SSW	NNE	1		30.44	71	71	70		"	"	0	
11			S	"	1		30.45	71	71	70		"	"	0	
Noon.			"	South	1		30.44	71	72	70		"	"	0	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2200 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by E	"	4-5	30.41	72	73	72	o	Cir Cum	0	S
2	SSE	S by E	4-5	30.41	72	73	72	"	"	0	
3	"	SSE	4-5	30.40	72	73	72	"	"	0	
4	ENE	"	4-5	30.40	71	73	72	"	"	0	
5	SSE	"	4-5	30.40	71	72	70	"	"	0	
6	S	"	4-5	30.40	71	72	70	"	"	0	
7	SSE	SE by E	3-5	30.41	71	71	70	"	"	0	
8	"	"	3-5	30.41	71	71	70	"	"	0	
9	SE by S	"	3-4	30.45	72	71	70	bc	"	2	
10	"	"	4	30.43	72	71	70	"	"	3	
11	"	"	3	30.43	72	71	70	"	"	4	
Mid.	South	"	1	30.43	72	71	70	"	"	5	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday July 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part. Cloudy and hazy latter part Light airs from N.W. by N. Ebb tide

Signed J. K. Cogswell
Lieutenant

From 4 to 8 A.M. Cloudy. Foggy. Raining last tow hours. Calm and light land breeze. Cum Nimb clouds. Received in Pay. Dept fresh beef and vegetables for crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy. Raining first half. Passing showers last half. Light land breeze first two hours. Sea breeze at 10.30. Blowing moderately from S. Bar[ometer] rising rapidly. Flood tide unshackled starboard chain from spare anchor and bent to mooring swivel

Signed W. G. Hannum
Midshipman

From Merid. to 4 P.M. Overcast. Moderate to stiff S.S.E. wind. Nimb clouds. Tide turned ebb at 2.45. Riding between wind and tide.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Weather cloudy. Wind fresh from S.S.E. decreasing last half and shifting to S.E. by E. Bar. steady Sea moderate. Ebb tide Ship riding to wind. At 5.15 Flag Ship made prep signal 6140 and at 5.20 6140. Answered and sent down top gallant yards and masts.

Signed W. G. Hannum
Midshipman

From 8 P.M. to Mid. Cloudy obscured moonlight Cir Cum clouds. Moderate breeze from S.E. Dying out at end of watch. High water slack at 12.

Signed Saml. C. Lemly
Ensign

Moon phase 3rd qr. Dec. S. 21°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S by E	SE	1	30.43	71	72	71		o	Cum	0		
2			"	"	1	30.43	71	72	71		"	"	0		
3			NW by W	"	1	30.43	71	72	71		"	"	0		
4			NNW	"	1	30.41	71	72	70		"	"	0		
5			NW by N	N	1	30.41	71	71	70		bcp	"	1		
6			NNW	Calm	0	30.40	71	71	70		bcm	"	2		
7			NW	ENE	1	30.40	71	71	70		"	"	2		
8			NW by W	Calm	0	30.42	71	71	70		"	"	3		
9			NE	N	1	30.44	70	71	70		bcz	"	4		
10			"	"	1	30.45	70	71	70		"	"	4		
11			ENE	"	1	30.45	71	72	72		"	"	4		
Noon.			S by W	"	1	30.45	71	73	73		"	"	4		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1900 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.										
1	S	SSE	4	30.40	72	73	72	bcz	Cir Cum	3
2	S by E	SE	3	30.40	71	72	70	"	"	4
3	NW	ESE	2	30.38	71	72	70	"	"	2
4	N by E	E	1-3	30.38	71	72	70	"	"	1
5	N	ESE	1-2	30.40	71	72	70	oz	"	0
6	NNE	"	2	30.39	71	72	70	bc	"	0
7	N	"	1	30.38	71	72	71	om	"	0
8	NW by W	Calm	1	30.38	71	71	71	"	"	0
9	N by W	E	0	30.38	71	71	71	"	"	0
10	"	ENE	0-1	30.38	71	71	71	"	"	0
11	NNE	"	0-1	30.38	71	71	71	"	"	0
Mid.	NE	"	1	30.38	71	71	71	"	"	0

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday July 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast Light airs from S.E. Cum Nimb clouds. Bar[ometer]
falling Sea smooth Swung to ebb at 2.30.

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Cloudy. Misty. Passing showers first part. Calm and light airs from E.S.E.
Riding to the ebb. At 7.30 Flag Ship made general signal 3340. Answered A German Steamer
came in.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Partially cloudy. Hazy. Light airs from N. Bar. unsettled Swung to flood at
11.10. At 5.45 Flag Ship made prep. 5459 and at 8.50 5459. Answered and crossed Top gallant
yards and loosed sail. At 9.30 we made 3247. Sounded call to general quarters All ready in 4
m[inutes] 10 sec[onds]. Secured in 4 m 15. At 10 Court Martial met and at 10.15 adjourned to
meet at 10 A.M. to-morrow. By order of Comdr. Francis Giles (2CT) was given 12 hrs extra duty
for striking a shipmate. James McCarthy (CT) and James Shields (Lds.E.T) absent from the
ship without leave. Carpenters gang renewing deck in wake of broadside guns.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Hazy. Moderate to light breeze from S.S.E. At 2.45 Flag Ship
made prep signal 4026. Furled sails. Slack water at 2.45. Swung to ebb at 3.30.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Overcast. Misty. Light E.S.E. breeze. Cir Cum Nimb clouds. At 5.20 sent down
top gallant yards. Sea water slack at 8.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Overcast. Misty. Calm first hour. Light airs from E. and E.N.E. remainder of
watch. Obscure moonlight. By order of Comdr. James Sackatt O.S.2c was placed in solitary
confinement for smuggling liquor

Signed C. B. T. Moore
Ensign

Moon phase 3rd qr. Dec. S. 17°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by N	North	1		30.38	70	71	70		oz	Cir Nimb	0		
2			"	"	1		30.38	70	71	70		ozp	"	0		
3			"	"	1		30.35	70	71	70		bo	"	0		
4			NNW	"	1		30.35	70	71	70		"	"	0		
5			N	Calm	0		30.35	69	69	68		om	"	0		
6			"	NNE	1		30.34	69	70	69		"	"	0		
7			"	"	1		30.35	69	70	70		"	"	0		
8			N by W	"	1		30.35	69	70	69		"	"	0		
9			W	N	1		30.40	69	70	70		"	"	0		
10			WNW	Calm	1		30.40	70	70	70		bcm	"	1		
11			N by W	N	1		30.41	71	71	71		"	"	2		
Noon.			NW by W	NW	1		30.41	72	72	72		"	"	2		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water		during the preceding 24 hours
Water remaining on hand fit for me at Noon		1600 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.										
1	S by W	N	0-1	30.35	72	73	72	bcm	Str Cir Nimb	2
2	SSW	Calm	0	30.35	72	73	72	"	"	1
3	SW	SSW	1	30.33	72	73	72	"	"	5
4	NNE	SE	1	30.33	72	73	72	"	"	3
5	N	ESE	2	30.31	72	73	71	"	"	4
6	N by E	"	2	30.30	72	71	72	"	"	3
7	NW by W	ENE	0-1	30.30	71	73	71	"	"	6
8	N by W	ESE	2	30.30	71	72	71	"	"	7
9	SE by E	"	2	30.30	70	71	70	"	"	2
10	S	"	2	30.32	70	71	70	"	"	5
11	SSE	"	1	30.32	70	70	69	"	"	4
Mid.	S	"	1	30.32	70	69	69	"	"	4

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday July 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast with passing showers 2nd hour. At 3 swinging to ebb.
Light airs from N. Bar[ometer] falling

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and misty Calm first part. Light airs from N.N.E. rest of watch. At
7.30 Flag Ship made general signal 3350. At 8 crossed T. G. yards

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and misty. Pleasant. Calm and light airs from N. and N.W. At
8.45 Flag Ship made prep sig[nal]. 5455 and at 8.55 general sig. 5455. Loosed sail. At 9.30
exercised at gundeck. Exercised company drill. At 9.35 made general sig. 8247. Court met at
10.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Misty and pleasant. Calm first hour. Sea breeze at S. At 1 Flag
Ship made prep sig. 4826. Answered furled sail. At 2.30 H.M.S. Voliage came in & anchored In
passing the fort she fired a national salute with Brazilian flag at main afterwards saluted
Brazilian Admiral with 15 guns and American Admiral with 15 guns which salute was returned
gun for gun. Court adjourned at 4 until 10 A.M. to-morrow. August Seres (Lds) was declared a
deserter he having been absent from the ship 10 days. Tide turned ebb at 3.15 Discharged from
the ship and service Jer. O'Brien (1CT) from the 13th instant his term of enlistment having
expired. Reenlisted J. O'Brien from the 14th instant inclusive.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy first part. Clear latter part. Light breeze to light airs from E.S.E. &
E.N.E. Riding to ebb. At 5.10 Flag Ship made general signal 2985. Answered.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Light airs from E.S.E. Swung to flood at 8.30.

Signed J. K. Cogswell
Lieut

Moon phase 3rd qr. Dec. S. 121°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

			WINDS.		BAROMETER.		TEMPERATURE.											
Hour.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
A.M.																		
1			S	Calm	0		30.30	71	71	70		bc	Cir Cum	4	S			
2			"	E by N	1		30.29	70	71	70		"	"	7				
3			SSW	"	1		30.28	69	70	70		"	"	8				
4			W	"	0-1		30.27	69	70	69		"	"	8				
5			N	"	1		30.27	68	70	69		"	"	8				
6			"	"	1		30.26	68	70	69		"	"	8				
7			N by W	N	1		30.26	68	69	68		"	"	8				
8			NNW	"	1		30.30	69	69	68		"	"	8				
9			NW by N	NE	1		30.33	70	71	69		"	"	9				
10			SW by S	N	1		30.35	70	70	69		"	"	9				
11			SSW	Calm	0		30.35	70	71	70		"	"	9				
Noon.			NW by W	N	0-1		30.32	70	71	70		"	"	9				
Distance run by Log since preceding Noon											knots	fathoms.						
Latitude by D. R. at Noon											o	'	"					
Longitude by D. R. at Noon											o	'	"					
Latitude by Observations at Noon ⊕											o	'	"					
Longitude by Chronometer from Forenoon Observations ⊕											o	'	"					
Current during the time				knots	fms. per hour, setting to the													
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"	"					
Variation of the Compass by Azimuth ⊕ observed at											o	"	"					
Water expended during the preceding 24 hours													300 gallons.					
Water during the preceding 24 hours													"					
Water remaining on hand fit for me at Noon													1300 "					
Coal consumed during the preceding 24 hours													tons	lbs.				
Coal remaining on hand at Noon													"	"				
P.M.																		
1			S	SSW	1		30.29	72	73	72		bc	Cir Cum	8	S			
2			S by W	"	0-1		30.29	72	75	73		"	"	8				
3			SSW	"	0-1		30.24	74	75	75		"	"	8				
4			SSW	Calm	0-1		30.25	74	75	75		"	"	8				
5			"	ESE	1		30.22	74	74	74		"	"	9				
6			N	"	1		30.22	74	74	73		"	"	9				
7			"	"	2		30.25	73	73	72		"	"	9				
8			ENE	ENE	3		30.25	72	72	71		"	"	9				
9			"	"	2		30.25	72	72	71		"	"	8				
10			S	"	0-1		30.25	70	72	71		"	"	8				
11			S by W	Calm	0		30.25	71	72	71		"	"	8				
Mid.			"	"	0		30.25	71	72	71		"	"	8				
Longitude by Chronometer from Afternoon Observations ⊕											o	'	"					
Longitude by Chronometer Observations											*	o	'	"				
Variation of the Compass by Amplitude											observed at Sunset	o	'	"				
Variation of the Compass by											at	o	'	"				

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday July 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Calm and light airs from E. by N. Bright moonlight. Riding to ebb. Slack water at 3.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant Wind light from W. Bar. rising Sea smooth Ebb tide. At 7.30 Flag Ship made general signal 3355. At 8 Italian Frigate Governello fired a salute of 5 guns with Brazilian flag at fore. Answered by Brazilian Flag Ship with Italian flag at fore. August Seres (Lds) declared a deserter having been absent from the ship 10 days without leave. Received in Equipt. Dept. 1 cord wood.

Signed W. G. Hannum
Midshipman

From 8 A. M. to Merid. Clear and pleasant. Calm and light airs from N. and N.E. At 9.10 Flag Ship made prep sig 5455. Answered and loosed sail. At 9.30 inspected at quarters. At 9.30 made general signal 3247. Court convened at 10 and at 10.45 took a recess until 1 P.M. Theodore Barthelson enlisted as (Lds) for the cruise of the "Essex"

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Clear and warm. Wind light from S.S.W. Calm last hour. Bar[ometer] falling Sea smooth. Tide turned flood at 12.30 General Court Martial adjourned at 3 to meet at 10 A.M. to-morrow the 18th instant. At 3.30 Flag Ship made general sig. 4826 and at 3.40 4826 Ans[wered] and furled sail. At 3.45 Flag Ship made general sig. 3967 and geographical 1516. Ans.

Signed W. G. Hannum
Midshipman

From 4 to 8 P.M. Clear and pleasant. Light airs first part from S.S.E. Sight to gentle breeze latter part from E.N.E. At 3.45 Flag Ship made general sig. 2984. Answered. Tide turned ebb at 4.30.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Clear and pleasant. Wind light from E.N.E. first half. Calm last half. Bar[ometer] steady Sea smooth. Ship swung to flood at 9.50. Tide still running ebb in channel at end of watch. Moon rose.

Signed W. G. Hannum
Midshipman

Moon phase 3rd qr. Dec. S. 7°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro Brazil S. A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			SSW	NNE	1		30.26	70	71	70		bc	Cum	9	S		
2			S by E	ESE	1		30.26	70	71	71		"	"	0			
3			S	Calm	0		30.23	70	71	70		"	"	0			
4			"	"	0		30.23	69	70	69		"	"	0			
5			N by W	"	0		30.23	69	70	69		V	"	10			
6			"	"	0		30.23	69	70	69		"	"	10			
7			"	"	0		30.23	69	70	69		bcz	Cir Cum	7			
8			"	North	1		30.24	70	70	69		"	"	6			
9			NW by N	"	1		30.27	71	71	72		"	"	7			
10			SW by S	"	1		30.27	71	71	72		"	"	8			
11			SSW	"	1		30.26	72	72	71		"	"	8			
Noon.			SW	NW by W	1		30.26	72	73	72		"	"	8			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	1750 "
Water remaining on hand fit for me at Noon		2750 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	W by S	N	0-1	30.26	72	73	73	bcz	Cir	9	S
2	S	Calm	0	30.26	74	74	73	"	"	9	
3	"	S by E	2	30.20	74	74	73	"	"	9	
4	S by W	"	2	30.20	74	74	73	"	"	9	
5	WSW	"	2	30.18	74	75	75	bc	"	9	
6	WNW	"	1	30.13	75	75	74	"	"	9	
7	"	"	1	30.16	74	75	74	"	"	9	
8	N by W	"	0	30.16	74	75	74	b	"	10	
9	WSW	Calm	0	30.16	74	74	74	"	"	10	
10	S	"	0	30.20	73	73	73	"	"	10	
11	"	"	0	30.20	72	73	72	bc	"	9	
Mid.	"	"	0	30.20	72	73	72	"	"	8	

Variable	Value	Unit	Notes
Longitude by Chronometer from Afternoon Observations	101° 45' 30"	Longitude	Observed at Sunset
Longitude by Chronometer Observations	101° 45' 30"	Longitude	Observed at Sunset
Variation of the Compass by Amplitude	101° 45' 30"	Longitude	Observed at Sunset
Variation of the Compass by	101° 45' 30"	Longitude	Observed at Sunset

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday July 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Calm and pleasant. Calm and light airs from N.N.E. and E.N.E.
Flood tide

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Clear and pleasant. Hazy latter half. Calm until last hour when light breeze came up from N. At 4.18 swung to ebb. At 8 dressed ship with mast head flags Brazilian Ensign at main Received on board fresh beef and vegetables for crew and 1750 gals fresh water

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear and pleasant. Hazy. Wind light from N. shifting to N.W. by W. last hour. Bar[ometer] falling slowly. Sea smooth. At 9.15 inspected at quarters. Exercised Marine guard. Assist. Eng. Ransom and 23 men absent without leave. At 9.30 made general sig[nal] 3247. Ans[wered] by Hartford. Court met at 10.05. Ship swung to flood at 9.30. Carpenters gang at work on deck in wake of guns.

Signed Saml. C. Hannum
Midshipman

From Merid. to 4 P.M. Clear and warm. Hazy Light airs from N. and calm first part. Light sea breeze from S. by E. last two hours. Flood tide. At 1 Brazilian Flag Ship Fort Villegogon and Hartford fired salutes of 21 guns. Court assembled at 1.15 At 2.15 Court adjourned to meet at 10 A.M. to-morrow. By order of Comdr, James Hackett (OS2c) was released from confinement Geo Vaughn (W.R.B.) returned from hospital on shore. Carpenters gang finished deck in wake of guns.

Signed W. H. Allen
Midshipman

From 4 to 8 P.M. Clear and pleasant. Light airs from S. by E. Bar falling slowly. Sea smooth swung to ebb at 4.30 At 5.15 Flag Ship made general signal 2985. Frederick Wolfinger (O.S.) and Wm. Rich (Lds) returned on board from hospital on shore.

Signed W. G. Hannum
Midshipman.

From 8 P.M. to Mid. Clear. Damp. Calm. At 9.30 moon rose At 10 swung to flood

Signed Saml. C. Lemly
Ensign

Moon phase 3rd qr. Dec. S. 1°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			SW by W	Calm	0	30.20	72	72	71		bc	Cir Cum	9	S		
2			"	"	0	30.20	72	72	71		"	"	9			
3			S	NW	0-1	30.20	72	72	71		"	"	9			
4			SSW	"	1	30.20	72	72	71		"	"	9			
5			N	"	1	30.16	70	71	70		"	"	6			
6			"	"	1	30.16	69	70	69		"	"	8			
7			NNW	NNW	1	30.15	69	69	68		bcm	"	9			
8			"	"	1	30.17	69	69	68		"	"	4			
9			W	N	1	30.18	70	69	68		"	"	2			
10			SW by S	"	0-1	30.18	70	71	71		"	"	3			
11			SSW	"	1	30.18	71	72	71		"	"	3			
Noon.			WSW	NNW	1	30.17	71	72	71		"	"	3			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		gallons.
Water		during the preceding 24 hours
Water remaining on hand fit for me at Noon		" "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.										
1	West	Calm	0	30.13	72	73	72	bc	Cir Cum	5
2	SSW	SSW	0-1	30.12	75	75	73	"	"	6
3	"	"	1	30.11	74	74	74	"	"	6
4	"	"	2	30.10	74	74	72	"	"	5
5	"	S	2	30.10	74	74	73	"	"	5
6	W by S	"	2	30.10	72	73	72	"	"	4
7	N	"	2	30.10	73	74	73	"	"	8
8	NNW	NW	0-1	30.10	73	74	73	"	"	9
9	NW	NW by W	1	30.10	73	73	72	b	None	10
10	SW	"	0-1	30.10	73	73	72	"	"	10
11	"	Calm	0	30.10	73	73	72	bc	Cir Cum	5
Mid.	"	"	0	30.11	72	73	72	"	"	5

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations	*	0	11
Variation of the Compass by Amplitude	observed at Sunset	0	11
Variation of the Compass by	at	0	11

under the command of Commander W. Scott Schley, U. S. Navy.
Friday July 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Calm first half Light airs from N.W. last half Bar[ometer] rising slowly Sea smooth Swung to ebb at 12.30.

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Clear and pleasant. Calm to light airs from N.N.W. At 7.30 Flag Ship made general signal 3354.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Pleasant. Misty. Light airs from N. and N.N.W. At 9.30 exercised at fire quarters. At 9.30 made general signal 3247. Court met at 10.55. At 11.30 took a recess until 1 P.M. English steamer (P.S.W.C) went out of harbor.

Signed W. H. Allen
Midshipman

From Merid. to 4 P.M. Partially overcast and warm. Riding to flood. Calm first hour. Light breeze from S.S.W. last part. At 1 Court met. At 2.45 Court adjourned until 10 A.M. 20th instant. At 3.00 made interrog signal 2984. Flag Ship answered and made general signal 2984.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy first two hours. Clear remainder of watch Light breeze to light airs from S. and N.W. Swung to ebb at 6.30

Signed W. H. Allen
Midshipman

From 8 P.M. to Mid. Clear and pleasant first two hours. Partially overcast last part. Calm and light airs from N.N.W. Swung to flood at 10.

Signed C. B. T. Moore
Ensign

Moon phase 3rd qr. Dec. N. 4°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			W	Calm	1	30.	71	72		bc	Cir Cum	3	S		
2			WNW	W	0-1	30.	71	72	71	"	"	3			
3			NW by N	"	1	30.	71	72	71	"	"	3			
4			S by E	Calm	0	30.	69	72	70	"	"	2			
5			"	"	0	30.	69	71	70	bcm	"	2			
6			WNW	W	0-1	30.	69	71	70	"	"	2			
7			NNW	"	0-1	30.	70	70	69	"	"	1			
8			"	WNW	0-1	30.	70	70	69	"	"	2			
9			N	N	0-1	30.	71	72	70	bc	"	5			
10			"	"	0-1	30.	72	73	71	"	"	6			
11			S by W	"	1	30.	73	74	72	"	"	4			
Noon.			"	"	1	30.	75	74	72	"	"	5			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water			2 "
Water remaining on hand fit for me at Noon			2100 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.										
1	NW	N	1	30.04	73	74	73	bc	Cir Cum	2
2	"	"	1	30.00	74	75	74	"	"	3
3	NNE	"	1	30.00	76	76	75	"	"	4
4	S by E	"	0-1	30.00	76	77	75	"	"	6
5	S by W	"	0-1	30.00	76	76	75	"	"	5
6	"	"	1	30.00	76	76	75	"	"	8
7	NW	"	1	30.00	76	75	74	b	None	10
8	NNW	"	1	30.00	75	75	74	"	"	10
9	WSW	"	0-1	29.95	74	74	73	bc	Cir Cum	9
10	S	"	0-1	29.95	74	74	73	bcm	"	9
11	S by E	W	0-1	29.95	73	74	73	"	"	9
Mid.	"	"	0-1	29.97	73	74	73	"	"	8

Longitude by Chronometer Observations		0	1	16
Variation of the Compass by Amplitude	observed at Sunset	0	1	16
Variation of the Compass by	at	0	1	16

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday July 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy Damp Calm and light breeze Cir Cum clouds Bright
moonlight At 1 swung to ebb At 3.45 swung to flood.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and Misty. Calm first part, light airs latter part from N.N.W. At 7.30 Flag
Ship made general signal 3351. Answered. Tide turned ebb at 5.30.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Partially overcast with light airs from N. swung to flood at 11.00. At 9.30
made general signal 3247. Flag Ship answered. At 10.08 Court Martial met pursuant to
adjournment H. Funk (P.M.) returned on board. At 12.20 Court took a recess until 1.00 P.M.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and warm. Light airs from N. Swung to ebb at 12 and to flood at
3.45. Sent a liberty party on shore.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear and warm. Light airs from N. Swung to ebb. At 4.20 Court adjourned
until 10 A.M. Aug. 22nd instant.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Damp. Light airs first part from N. latter part from West.
Swung to flood at 10. Moon rose at 11.

Signed J. K. Cogswell
Lieut

Moon phase last qr. Dec. S. 9°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NW	NW	1	29.95	73	73	72		bon	"	10		S	
2			"	"	1	29.93	72	72	71		"	"	10			
3			"	"	1	29.91	72	71	70		"	"	10			
4			NW by W	"	1	29.90	71	71	70		"	"	10			
5			SW	"	1	29.90	71	71	70		"	"	10			
6			W	"	1	29.90	70	70	69		"	"	10			
7			W by N	N	1	29.90	70	70	69		"	"	10			
8			NNW	"	1	29.90	70	70	69		bcon	Cir Cum	9			
9			"	"	1	29.90	71	71	70		"	"	8			
10			"	"	1	29.90	72	72	72		"	"	9			
11			West	NNW	2	29.90	73	74	73		"	"	7			
Noon.			"	"	2	29.90	73	74	73		"	"	6			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1800 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N by W	SW	2	29.85	75	77	75	bcp	Cir Cum	7	S
2	E by N	S	1	29.84	76	77	76	"	"	4	
3	NW	SW	2-3	29.84	76	79	75	"	"	3	
4	SW	"	2-4	29.98	73	77	73	bcpt	"	1	
5	SW by S	SW by S	2-4	29.97	73	73	72	bclp	"	2	
6	WSW	SW	2-4	29.97	73	73	72	op	"	1	
7	"	SSW	2-4	29.97	73	73	72	"	"	0	
8	WSW	S	1-4	30.00	72	73	72	opq	"	0	
9	WNW	"	1-5	30.00	72	73	72	"	"	0	
10	NW	WSW	2	30.00	72	72	70	"	"	0	
11	WSW	"	2-5	30.05	70	68	68	"	"	0	
Mid.	SW by S	"	2-4	30.05	70	69	68	bcpq	"	2	

Longitude by Chronometer from Afternoon Observations	⊕	0	1	11
Longitude by Chronometer Observations		*	0	1
Variation of the Compass by Amplitude			0	1
Variation of the Compass by	observed at Sunset		0	1
	at		0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday July 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant with light airs from N.W. Bright moonlight.
Swung to ebb at 1.30.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Weather pleasant. Sky cloudless Misty. Wind light from N.W. first half from N.
last half. Barometer steady. Sea smooth. Swung to ebb at 7.15. At 7.30 Flag Ship made general
signal 3352. Answered.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear and pleasant. Light breeze from N and N.N.W. At 10 Comdg.
Officer inspected ship and crew at quarters. Afterwards read prayers. Eight (8) men absent from
this ship without leave. Riding to ebb.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Clear and pleasant first part. Cloudy with very light sprinkling of rain last
half. Barometer steady sea smooth. Sea breeze at 2.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy passing showers Moderate breeze from S. W. by S. first hour shifting
to South At 5 Flag Ship made prep[atory] 2985. Swung to ebb at 7.30. James Hennessy (Mach)
returned on board having remained 4 days over liberty. John Pratt & J. P. Roberts (Lds) 5 days
over liberty.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Weather cloudy and squally. Occasional light showers Wind light from
South and S.W. Blowing fresh in gusts. Ship riding between wind and tide.

Signed C. K. Curtis
Lieut

Moon phase 3rd qr. Dec. N. 14 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SSW	SSW	2-4		30.07	70	68	67		oqp	Cum Nimb	0		S
2			WSW	"	2-4		30.07	70	68	67		"	"	0		
3			SW	"	3-5		30.06	70	67	67		bcqp	"	1		
4			SSW	"	3-4		30.06	70	67	67		bcq	"	2		
5			"	"	2		30.06	69	68	67		bc	Cir Cum	7		
6			SW	W	2		30.06	69	68	68		"	"	8		
7			W	WNW	1-2		30.08	69	68	68		"	"	8		
8			WNW	"	1-2		30.12	68	68	68		"	Cir Cum Nimb	5		
9			"	NW	1-2		30.15	68	68	67		bch	"	3		
10			NW	"	1-2		30.19	69	70	69		"	"	3		
11			W by S	W	1-2		30.20	70	71	69		"	"	5		
Noon.			SSW	SSW	1-2		30.21	70	72	70		"	"	1		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ⊕	°	" "
Longitude by Chronometer from Forenoon Observations ⊕	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1500 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	SSW	SSW	3-4	30.20	71	72	70	bc	Cir Cum Nimb	3	S
2	SW by S	"	4	30.20	71	72	70	"	"	4	
3	"	"	4	30.20	71	72	70	"	"	5	
4	SW by W	SW	4-5	30.20	71	71	70	"	"	5	
5	SSW	SSW	2-3	30.17	69	70	68	"	"	5	
6	"	"	3	30.18	70	69	68	"	"	5	
7	SW by S	"	2-3	30.18	70	69	68	"	"	4	
8	NW	"	1	30.20	70	69	68	"	"	4	
9	NW by W	NW	1	30.23	70	70	69	"	"	4	
10	NW	"	1	30.25	68	70	69	"	"	4	
11	"	Calm	0	30.27	69	69	68	"	"	5	
Mid.	SW by W	"	0	30.28	69	68	68	"	"	7	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Monday July 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and cool Light to stiff breeze from S.S.W. Squally passing showers of rain. Riding to flood

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Clear. Pleasant. Light S.W. breeze shifting to N. and W. Cir. Cum Nimb clouds. At 7 swung to ebb. English Gunboat "Avon" got underway and shifted berth. Exchanged colors with her following motions of Flag Ship At 7.30 Flag Ship made general all signals 3356. Commenced coaling ship.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy. Hazy. Pleasant. Winds light from S.W. to S.S.W. Bar[ometer] rising Sea smooth. Swung to flood at 10.30. At 9.13 mustered at quarters At 9.30 made general signal 3247 and at 9.50 interrog[etory] 5455. Flag Ship answered and made 904. Loosed sail. Court Martial convened at 10. At 11.50 Court adjourned to await action of Convening authority By order of Court Jas. Hennessy (Mach) was disrated to (1cT) for absence without leave. J. B. Stanley (OS2c) Wm. M. McCam (OS) M. J. King (Lds) R. E. Eugene (W.O.S) Wm Hayden (OS) Nicholas Lynch and John Riley (Sea) absent from quarters without leave. Coaling ship.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy Pleasant. Moderate to stiff sea breeze from W.S.W. shifting to S. At 1 made int sig. 4826. Flag Ship made general 904. Furled sail at . At 2 Flag Ship made prep 3967 and geographical 1516. At 2.20 she made tel[egraphic] 8192, 6304, 7306. Coaling ship. Received in Pay. Dept. 5 Mattresses. Finished coaling ship having received on board 120 tons store house measurement.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Partially cloudy. Pleasant. Wind light from S.S.W. Bar. rising sea smooth Tide turned ebb at 7.30

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Cloudy Cool Pleasant Light N.W. airs and calms. Slack water at 11.30 Swung to flood at 12.

Signed Saml. C. Lemly
Ensign

Moon phase last qr. Dec. N. 19°

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NNW	W	1		30.28	69	68		bc	Cum Nimb	3	S	
2			NW	"	1		30.28	69	68		"	"	2		
3			WNW	"	1		30.28	69	68		"	"	8		
4			"	"	0-1		30.28	67	67	65	"	"	8		
5			N by W	"	1		30.25	67	65	65	"	Cir Cum	9		
6			WSW	NNW	1		30.25	66	65	65	bcm	"	8		
7			S	NW	0-1		30.28	66	66	65	"	"	9		
8			NW by N	NNW	1		30.30	66	66	65	bc	"	8		
9			N	"	2		30.33	67	66	66	"	"	6		
10			"	N by E	2		30.34	68	68	68	"	"	7		
11			N by W	"	2		30.34	69	69	69	"	"	9		
Noon.			NE by N	"	0-1		30.34	69	69	69	"	"	9		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1200 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	E by N	N by E	1	30.32	69	70	69	bc	Cir Cum	9	S
2	E	SE	3	30.30	69	70	69	"	"	9	"
3	ENE	SSE	3	30.30	69	70	69	"	"	9	"
4	ESE	S	3	30.30	69	71	70	"	"	9	"
5	SE by S	"	3	30.30	69	70	68	"	"	9	"
6	SSE	"	3	30.20	69	69	68	"	"	9	"
7	"	"	2	30.20	69	69	68	"	"	9	"
8	"	"	2	30.20	69	69	68	"	"	9	"
9	NE	SE	0-1	30.30	69	69	68	"	"	9	"
10	NNE	calm	0	30.30	69	69	68	"	"	9	"
11	N	E by S	1	30.30	69	69	68	"	"	9	"
Mid.	"	"	1	30.30	69	69	68	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday July 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and damp first half. Clear and cool Bright moonlight last half of watch. Light airs from W. Bar[ometer] steady Sea smooth Ebb tide

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear and pleasant. Misty. Light airs from W. shifting to N.N.W. At 7.30 Flag Ship made general signal 3351. At 8 dressed mast heads. Brazilian flag at main Received fresh provisions for crew. E. R. Eugene returned on board.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and warm Light N[orthe]ly breeze. Cir. Cum Ship riding to ebb tide Tried new quarter deck and forecastle awnings

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light airs to gentle breeze from S.E. shifting to S. At 1 Brazilian Flag Ship Hartford and batterys on shore fired salutes of 21 guns in honor of the day. Wm. McCann (OS) Wm. Hayden (OS) Nicholas Lynch (OS2c) & J. B. Hartley (OS2c) returned on board.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Pleasant. Moderate sea breeze from S. falling light towards end of Cir. Cum clouds At 5.15 Flag Ship made prep signal 5040. Mustered at quarters and served out clean hammocks. M. J. King & David Kearns (Lds) returned on board.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear cool and pleasant. Calm and light airs from S.E. and E. by S. Ebb tide.

Signed C. B. T. Moore
Ensign

Moon phase last qr. Dec. N. 23°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			N by E	Calm	0	30.32	68	68	67		bc	Cir Cum	9	S			
2			"	"	0	30.32	68	68	67		"	"	9	"			
3			N	"	0	30.30	67	67	66		"	"	9	"			
4			"	"	0	30.30	67	67	66		"	"	8	"			
5			NNE	ENE	2	30.30	67	65	64		"	"	9	"			
6			"	"	2	30.30	67	65	64		om	"	0	"			
7			"	"	2	30.30	67	65	64		bcm	"	2	"			
8			"	"	2	30.30	66	63	64		"	"	1	"			
9			N	NNE	2	30.31	64	63	63		bcp	Cum Nimb	1	"			
10			N by W	N by E	1	30.32	63	64	64		"	"	2	"			
11			N	"	0-1	30.20	65	66	66		bcq	Cum	9	"			
Noon.			N by W	NW	1	30.29	66	68	68		"	"	9	"			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			900 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NE	S	2	30.21	68	68	68	bc	Cum	9	S
2	SSW	SSW	2	30.22	69	71	69	"	"	9	"
3	"	S	3	30.20	71	72	70	"	"	9	"
4	SE by S	SSE	3	30.20	71	72	70	"	"	8	"
5	SSE	SE	2	30.22	71	72	71	"	"	4	"
6	SE by E	"	1	30.22	71	72	71	"	"	6	"
7	SE by S	"	1	30.22	71	72	71	"	"	9	"
8	S by E	Calm	0	30.22	71	72	71	"	"	8	"
9	SE by S	NE	0-1	30.23	71	72	71	"	"	9	"
10	NW by W	N	1-2	30.23	70	71	71	"	"	9	"
11	"	"	1-2	30.23	70	69	70	"	"	9	"
Mid.	NNW	NNE	1-2	30.23	70	69	70	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	*	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday July 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Damp Calm Cir Cum clouds Moon rise at 1.50. Riding to ebb.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear first hour Cloudy and misty rest of watch. Very damp Light breeze from N.N.E. At 7.30 Flag Ship made general signal 3351. Ebb tide

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and foggy first two hours. Clear and hazy last two. Light airs from N.N.E. shifting to N.W. At 9.15 inspected at quarters Exercised 1st and 2nd Div. at great guns. Ebb tide. An English and German steamer left the harbor.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze from S.S.W. to S.S.E. At 1 Flag Ship fired a salute of 17 guns in honor of Brazilian Minister of Marino. Brazilian Flag Ship returned the salute. The General Court Martial which convened on board this ship of which Commander W. S. Schley was president was dissolved by order of the Comdr in Chief. Swung to the flood at 1.30

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Light airs from S.E. and calm. Flood tide. At 4.50 Flag Ship made prep signal 3918. At 5.25 went to quarters to turn in clean hammocks.

Signed C. B. T. Moore
Ensign

From 8 P.M. Clear and pleasant. Light airs from N. to N.E. Swung to ebb at 9.45.

Signed J. K. Cogswell
Lieut

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			N	E by S	1	30.19	69	69	68		bc	Cir Cum	8	S	
2			N by E	NNW	0-1	30.18	69	69	68		"	"	8	"	
3			"	"	1	30.17	69	68	67		"	"	6	"	
4			N	"	1	30.15	69	67	66		"	"	4	"	
5			NNW	"	1	30.16	68	66	66		"	"	4	"	
6			N	"	1	30.17	68	65	66		"	"	4	"	
7			"	"	1	30.18	68	65	66		"	"	3	"	
8			SW by W	"	1	30.19	68	65	65		"	"	1	"	
9			S	N	0-1	30.20	67	67	65		on	"	0	"	
10			W	"	0-1	30.20	66	67	66		"	"	0	"	
11			NW	"	0-1	30.20	67	67	66		bcm	"	2	"	
Noon.			W by N	"	0-1	30.20	68	69	68		"	"	2	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		600 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			SE	SSE	2	30.18	70	71	70		bcm	Cir Cum	3	S	
2			"	"	2	30.17	70	71	70		"	"	4	"	
3			NE	"	1	30.16	70	70	71		"	"	6	"	
4			"	"	2	30.16	72	72	72		"	"	5	"	
5			NW	"	1-2	30.14	72	71	73		"	"	2	"	
6			"	Calm	0	30.14	72	73	72		"	"	3	"	
7			N	"	0	30.14	72	73	72		bc	"	6	"	
8			NE	"	0	30.17	72	72	72		"	"	9	"	
9			S by E	"	0	30.17	72	72	71		"	"	9	"	
10			"	"	0	30.18	72	72	71		"	"	7	"	
11			W by S	"	0	30.18	71	71	70		"	"	8	"	
Mid.			NW	NNW	1	30.18	71	70	70		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday July 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part Cloudy latter part. Pleasant. Light airs from E. by S. and N.N.W. Ebb tide

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Partially cloudy Misty Wind light from N.N.W. Bar[ometer] steady Sea smooth. Tide turned ebb at 7.45. At 7.30 Flag Ship made general signal 3351. Answered. Cleaned bilges

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy. Misty. Light airs from N. At 9.15 inspected at quarters. Exercised 1st and 2nd Div. at great guns. Enlisted for the cruise of the "Essex" James Stanton as Lds. Tide turned ebb at 10.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Partially cloudy. Misty. Wind light from E.S.E. Bar. falling sea smooth. Ship riding between wind and tide. Ebb tide. Fore topmen at work on main deck awning

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy and pleasant Misty. Light airs from S.S.E. and calm. At 5.15 Flag Ship made general signal 2985. Riding to ebb.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Weather clear and pleasant. Calm. Light airs from N.N.W. last hour. Bar. rising. Sea smooth. Swung to flood at 8 and to ebb at 11.45.

Signed C. K. Curtis
Lieut

Moon phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NNW	NNW	2	30.15	70	69	68		b	None	10	S		
2			"	"	2	30.15	70	69	68		"	"	10			
3			"	"	0-1	30.13	70	69	68		"	"	10			
4			N	"	0-1	30.13	70	69	68		"	"	10			
5			N by W	N by E	1	30.13	70	69	68		"	"	10			
6			"	"	0-1	30.15	68	69	68		bc	Cir Cum	9			
7			ENE	"	0-1	30.15	68	69	68		"	"	9			
8			SE by S	Calm	0	30.15	68	69	68		"	"	9			
9			WNW	"	0	30.15	68	69	68		"	"	9			
10			WSW	"	0	30.15	69	69	68		"	"	9			
11			SSW	"	0	30.15	70	71	71		"	"	9			
Noon.			NW by W	NNE	0-1	30.12	70	74	72		"	"	9			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			200 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NNW	Calm	0	30.07	71	74	73	bc	Cir Cum	9	S
2	N by W	NNE	0-1	30.07	72	74	73	"	"	9	"
3	N	ENE	3	30.00	75	76	75	"	"	9	"
4	N by E	"	3	30.00	77	76	77	"	"	9	"
5	N	"	2-3	30.00	77	79	77	"	"	9	"
6	"	"	2	30.00	76	77	76	"	"	9	"
7	"	NE	1	30.00	76	77	76	"	"	9	"
8	NNW	Calm	0	30.00	74	76	76	bcm	"	9	"
9	SE by S	"	0	30.02	74	74	73	"	"	9	
10	"	"	0	30.04	72	73	72	"	"	9	
11	S	West	2	30.04	71	72	71	"	"	8	
Mid.	WSW	WNW	3	30.04	70	72	71	"	"	8	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Friday July 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. No clouds. Light airs to light breeze from N.N.W. Ebb tide

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Clear Foggy latter part of watch. Light land breeze from N. Calm latter part. At 7.30 Flag Ship made general signal 3351. At 8 swung to flood. Received in Pay Dept. 156 lbs fresh beef and vegetables.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Weather clear and warm. Misty. Calm Light airs last hour from N.N.W. Bar[ometer] falling. Sea smooth. At 9.15 exercised at fire quarters. Immediately afterwards inspected crew at quarters. At 7 a board of survey consisting of Lieuts J. K. Cogswell and Asa Walker and P. A. Paymaster H. T. Stancliff left the ship to survey clothing provisions and small stores at store house. Swung to ebb at 11.50

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Warm. Calm. At 3 light breeze from E.N.E. sprung up. Riding to ebb. Men at work on awnings At 3.50 made interrog[atory] sig[nal] 2984. Hartford answered 904.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear and warm Wind light from E.N.E. Calm last hour. Bar steady sea smooth. Ebb tide

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Cool. Calm first part Light W[ester]ly breeze latter part Cir Cum clouds swung to ebb at 9.

Signed Saml. C. Lemly
Ensign

Moon phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			N by W	NW	1	30.02	71	71	70		bc	Cir Cum	9	S		
2			NNW	"	1	30.00	71	70	70	"	"	"	9			
3			"	"	1	29.99	71	72	70	"	"	"	9			
4			"	"	1	29.98	71	72	71	"	"	"	9			
5			"	"	1	29.98	71	72	71	"	"	"	9			
6			NNW	NNW	1	29.98	71	72	71	"	"	"	9			
7			"	"	1	30.00	71	71	70	"	"	"	9			
8			N	"	2	30.00	71	71	70	"	"	"	4			
9			ENE	NW	3	30.00	72	73	70	"	"	"	3			
10			SSW	"	3	30.03	72	75	73	"	"	"	4			
11			"	"	2	30.03	75	75	74	"	"	"	5			
Noon.			SW	"	2	30.03	76	76	74	"	"	"	3			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	o	'	"
Longitude by D. R. at Noon	o	'	"
Latitude by Observations at Noon ☉	o	'	"
Longitude by Chronometer from Forenoon Observations ☉	o	'	"
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ☉ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ☉ observed at	o	"	"
Water expended during the preceding 24 hours			300 gallons.
Water during the preceding 24 hours			2800 "
Water remaining on hand fit for me at Noon			2700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NW	WNW	2	29.99	76	79	76	bc	Cum	2	S
2	"	"	2	29.97	76	80	76	"	"	1	
3	NW by N	WSW	0-1	29.99	76	80	76	"	"	1	
4	"	"	0-1	29.96	76	79	76	"	"	1	
5	NNW	Calm	0	29.98	76	78	76	"	"	2	
6	NW by N	"	0	29.98	76	77	76	"	"	5	
7	NW	"	0	30.00	76	76	76	"	"	7	
8	W by N	"	2-4	30.00	76	76	76	"	"	8	
9	S by W	SSW	5-7	30.03	76	76	74	"	"	7	
10	"	"	6-7	30.10	74	74	72	"	"	0	
11	"	"	6-7	30.11	73	73	70	"	"	5	
Mid.	"	"	3	30.11	73	73	70	"	"	0	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday July 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Light airs from N.W. Bar[ometer] falling sea smooth Riding to ebb.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear first two hours. Cloudy last two. Pleasant Light airs to light breeze from N.W. and N.N.W. A small Brazilian gunboat came down the harbor and anchored. At 7.30 Flag Ship made general signal 3351. Ebb tide.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy Warm. Gentle breeze from N.W. French Flag Ship "Theseus" came in and and [sic] anchored. Received 2800 gals fresh water. At 10.10 French Flag Ship fired a salute of 21 guns. Brazilian Flag at main. Answered by fort she then saluted Brazilian Admirals with 15 guns. Answered by [blank]. "Nichtheroy" saluted American Admiral with 13 guns. Answered by Hartford gun for gun. Voli[a]ge saluted French Admiral with 13 guns. Returned by "Theseus" gun for gun. Louis Roth (AS) fell from hammock netting fracturing his right leg.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Light breeze to light airs from W.N.W. & W.S.W. Ebb tide. At 1.30 Flag Ship made 1087 to "Essex" answered and set boat. Sent Louis Roth to Misrecordia hospital

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy first part. Clear latter part of watch Cir Cum Nimb clouds Calm Slack water at 7.40.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear and squally first two hours Light to very fresh breeze from S.S.W. blowing in gusts and dying out last hour.

Signed C. B. T. Moore
Ensign

Moon phase last qr. Dec. N. 26°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			W by N	Calm	0	30.13	73	73	72		bc	Cir Cum	9	S		
2			NNW	"	0	30.13	73	73	72	"	"	"	9			
3			"	"	0	30.15	73	73	72	"	"	"	5			
4			NW	"	0	30.15	72	73	72	"	"	"	4			
5			NW by W	"	0	30.15	72	73	72	"	"	"	2			
6			"	"	0	30.18	72	73	72	bcm	"	"	5			
7			"	"	0	30.18	71	72	71	"	"	"	7			
8			"	"	0	30.20	71	72	71	"	"	"	8			
9			S by W	NW	0-1	30.21	72	73	72	"	"	"	7			
10			S by E	Calm	0	30.22	72	72	72	bcp	"	"	2			
11			S	S by E	1-2	30.24	72	72	72	bp	"	"	5			
Noon.			SSE	"	0	30.25	72	73	72	"	"	"	2			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2400 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	SW by S	SSE	2	30.25	72	73	72	bc	Cir Cum	3	S	
2	SW by W	S	4	30.25	71	72	71	"	"	5	"	
3	NW	SSW	4	30.22	71	72	71	"	"	8	"	
4	"	"	3	30.22	71	72	70	"	"	8	"	
5	"	SW	3	30.22	71	71	72	"	"	7	"	
6	"	"	3	30.24	71	71	69	"	"	4	"	
7	WNW	"	4	30.24	71	71	70	"	"	7	"	
8	W by S	"	2	30.27	71	71	70	"	"	6	"	
9	SSW	SW	3	30.28	71	71	69	"	"	9	"	
10	"	"	3	30.29	70	70	69	"	"	5	"	
11	S	"	2	30.29	70	70	69	"	"	8	"	
Mid.	"	ENE	1	30.29	70	71	69	"	"	0	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday July 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

[Editor's Note: The following 4-page note was pasted over the logbook entry for July 27, 1878, over the 'Merid to 4 P.M.' watch entry.]

Eidtor

General Order No. 4

South Atlantic Station

Flagship Hartford, Rio de Janeiro, Brazil, 24 July,, 1878

Before a Naval General Court-martial convened by my order on board the U.S.S. "Essex" on the 1st July 1878, was tried Paymaster's Clerk Alvin R. Reed, U.S. Navy, attached to the U.S.S.

"Hartford", upon charges and specifications of fraud and violation of Naval Regulations.

The Court found the accused guilty, and sentenced him as follows:

"To be imprisoned, in such place as the Honorable Secretary of the Navy may designate, for the term of two years; to lose all pay which may become due him during such confinement, excepting the sum of ten dollars per month, this loss amounting to one thousand nine hundred and sixty dollars; to be fined in the sum of five hundred dollars which fine must be paid before or at the end of term of confinement. Should fine not be paid at the end of term of confinement to be detained in confinement, without pay, until such fine be paid, and at the expiration of term of confinement to be dishonorably dismissed from the Naval Service of the United States."

Several members of the Court have recommended Mr. Reed to the clemency of the revising authority, on the ground that he, Mr. Reed, has a wife and young child, who, the signers believe, are entirely dependent upon him for support. It is more in consonance with my feelings to remit than to impose punishment, and after careful consideration of this case, I am reluctantly compelled to dissent from the views of the gentlemen who have signed this petition. In doing so, it is proper that I should give reasons, and I therefore do so as follows:

First. – There are no mitigating or extenuating circumstances presented.

Second. – The offences of which the prisoner was found guilty, were not such as would be committed under excitement, anger or great provocation, which might very properly be urged in extenuation, but on the contrary were acts of fraud, offences [next page]

[The following are pages 2 & 3 of a note pasted on the logbook page for July 27, 1878]

[Page 2, continuing from page 1] against moral as well as military law, and seem to have been committed with so much care, skill, and system, as to indicate premeditation.

Third.- The sentence of the Court is in itself so mild that I think the Court has already exercised the quality of mercy.

Fourth. – No one can regret more than I do the unfortunate situation of Mr. Reed's family, and most truly do I sympathize with the members of the Court in the expression of their sympathy, but it must be remembered that this unfortunate situation is not an accident, is not the result of a hasty or thoughtless action but is the result of Mr. Reed's own deliberate act. It is also to be remembered that Mr. Reed was tried for frauds systematically committed against the Government and the crew of the "Hartford".

He was also ably defended by counsel and fought the case carefully in every stage of its progress, entering pleas in bar of trial, denying the jurisdiction of the Court, confining his defense mainly to technical points, and insinuating therein that some of the offences with which he was charged, may have been committed surreptitiously by others. May it not be asked whether the *other* victims of these frauds are not entitled to a little sympathy?

Under these circumstances I cannot consent to mitigate the sentence of the Court, neither can I recommend it.

The proceedings, finding and sentence are approved, and Mr. Reed will be sent to the United States by the first favorable opportunity.

Edward T. Nichols,
Rear-Admiral U.S.N.
Commanding United States Naval Forces,
on South Atlantic Station.

[Page 3, continuing from page 2]

General Order No. 5

South Atlantic Station

Flagship Hartford, Rio de Janeiro, Brazil, 24 July, 1878

Before a Naval General Court-martial convened by my order on board the U.S.S. "Essex", on the 1st July 1878, was tried Philip Krug, Second Class Boy, U.S.S. Hartford, on charges of "Uttering seditious and mutinous words," and "Using disrespectful language to his superior officer while in the execution of his office."

The Court found the accused guilty of the charges preferred against him, and sentenced him as follows:

"To be confined for one year in such place as the Honorable Secretary of the Navy may direct, and to lose all pay during such confinement, amounting to one hundred and twenty-six dollars, except three dollars per month, and at the expiration of said confinement to be dishonorably discharged from the Naval Service of the United States."

The proceedings, finding and sentence are approved, but, as it is probable that nearly if not quite six months will have elapsed since the commission of the offences and before the prisoner can reach the United States, during which time he will have been in confinement on board ship under charge of a sentry, the sentence is mitigated to the following:

That he be confined for three months in such place as the Honorable Secretary of the Navy may direct; to lose all pay that may become due to him during said confinement excepting three dollars per month, amounting to twenty-two dollars and fifty cents, and at the expiration of term of confinement to be dishonorably discharged from the Naval Service of the United States. The prisoner will be sent to the United States by first favorable opportunity.

Before the same Court was tried Philip Kincade, Ship's Cook, U.S.S. "Essex," on the charge of insubordination; the specification setting forth that the accused did persistently refuse to obey the orders of the Officer of the Deck, as given in person by said Officer of the Deck and repeated through the [continued on next page]

[The following is page 4 of a note pasted on the logbook page for July 27, 1878.]

...Corporal of the Guard.

The court found the accused guilty of the charge and specification, except the disobedience of the personal order of the Officer of the Deck, and sentenced him as follows:

“To be reduced to the rating of Landsman from confirmation of sentence; to be confined in double irons, on bread and water for three months with full ration every other day and one hour’s daily exercise on deck; to lose one half pay as Landsman, amounting to twenty-three dollars and twenty-five cents, during term of confinement.”

The proceedings, finding and sentence are approved, but, as in my opinion, the unproven part of the specification contained the graveness of the offence, the sentence is mitigated to the following:

To be disgraced to Landsman; to be confined one month in single irons, on bread and water, with full ration every other day; to lose half pay as Landsman during terms of confinement, amounting to seven dollars and seventy-five cents.

The above sentence, as mitigated, will be carried out on board the U.S.S. “Essex”.

Edward T. Nichols,
Rear-Admiral O.K.,
Commanding United States Naval Force,
on South Atlantic Station.

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday July 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy Pleasant Calm [Calm] Swung to ebb at 1.15.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy first part Clear latter part of watch Misty around horizon sent mail to
Flag Ship

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy Passing showers third hour. Light airs to gentle breeze from S.
by E. and Calm. Flood tide At 9.40 inspected divisions. At 10 Comdg Officer inspected ship and
crew at quarters Called all hands to muster and read squadron order No. 4 & 5. (hereto
appended) and prayers. At 10 Flag Ship made general sign 5971 and Geog[raphical] 1516.
Confined Philip Kincade (Lds) in single irons in accordance with sentence of General Court
Martial.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy first part. Clear latter part of watch. Pleasant light to moderate
breeze from S.S.E. and S.S.W. Ebb tide.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Light to moderate breeze from SSW. At 5.15 Flag Ship
made general sig. 2985. At 5.50 made general sig 1410. Answered.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Overcast last hour. Light to gentle breeze from S.S.W. to S.W. and
light airs last hour from E.N.E. Light sprinkling of rain occasionally. Flood tide.

Signed J. K. Cogswell
Lieut

Moon phase last qr. Dec. N. 23 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			SSW	SSW	1	30.29	70	70	69		op	Cum	0	S	
2			NNW	Calm	0	30.29	70	70	69		o	"	0	"	
3			"	S	1	30.29	70	69	68		opc	"	0	"	
4			N by W	"	1	30.25	70	69	68		"	"	0	"	
5			NNW	Calm	0	30.25	70	69	68		"	"	0	"	
6			"	SW	0-1	30.27	70	69	68		"	"	0	"	
7			NW	"	0-1	30.30	69	67	67		o	"	0	"	
8			"	"	1	30.30	68	67	68		"	"	0	"	
9			WNW	NNE	1	30.32	69	67	68		om	"	0	"	
10			S	NNW	1	30.33	69	70	69		bcm	"	1	"	
11			SSW	NW	0-1	30.33	69	71	71		"	"	0	"	
Noon.			S	S	0-1	30.32	69	71	71		om	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2100 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			SSW	SSE	1	30.28	69	70	69		om	Cum Nimb	0	S	
2			S by W	"	1	30.28	70	71	69		"	"	0	"	
3			N by E	"	1-2	30.25	70	71	70		"	"	0	"	
4			N	"	1	30.25	70	71	70		"	"	0	"	
5			"	E	2	30.25	70	71	70		"	"	0	"	
6			"	"	2	30.25	70	71	70		"	"	0	"	
7			"	ESE	2	30.27	70	70	69		"	"	0	"	
8			NNW	"	0-1	30.28	70	70	69		"	"	0	"	
9			NW by W	"	0-1	30.30	71	73	71		"	"	0	"	
10			N	"	0-1	30.32	72	73	71		"	"	0	"	
11			WSW	"	0-1	30.31	71	70	71		"	"	0	"	
Mid.			S by W	"	0-1	30.30	71	72	70		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

observed at Sunset

at

*

under the command of Commander W. Scott Schley, U. S. Navy.
Monday July 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast with light passing showers. Light airs from S.S.W. and S.
Calm second hour. Ebb tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy. Passing showers first half Calm last hour with light airs from S.W.
remainder of watch. Bar[ometer] rising. Sea smooth Ebb tide. At 6.30 shore batterys Brazilian
and French Flag ship fired salutes of 21 guns. Brazilian Man of War and French Flag Ship
dressed ship At 7.30 Flag Ship made general signal 3351. At 8 dressed ship Brazilian Flag at
main in honor Brazilian holiday.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy and pleasant. Light airs from N.N.E. to N.W. Sea breeze set in at
noon. At 9.15 exercised at general quarters. Div. cast loose as follows. Eng. 20 s[econds]. Nav.
2 m[inutes] 5 [seconds]. Pdr. [Powder] 2 m 30 s. Surg[eons] 2 m 20 s. 2nd Div. 3.00. 1st Div. 3
m. Secured in 4 m 35 sec. Tide turned flood at 9.30. Philip Kincade disrated to (Lds) from 24th
instant by sentence of general Court Martial James Shields (Lds) rated to (Ships cook) from 25th
instant by order of Comdg. Officer

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Weather cloudy and misty. Wind light from S.S.E. Bar. falling Sea smooth
Tide turned ebb at 2.30

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast and misty. Light land breeze from E. & E.S.E. At sunset a salute of
21 guns was fired by Brazilian and French Flag ship and batteries on shore in honor of the day
Ebb tide

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy and misty Wind light from E.S.E. Bar. falling Sea smooth. Swung to
flood at 9.

Signed C. K. Curtis
Lieut

Moon phase 1st qr. Dec. N. 18°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			S	Calm	0	30.30	71	71	70		bc	Cum Nimb	6	S		
2			"	"	0	30.30	71	71	70		"	"	8	"		
3			NNE	"	0	30.29	70	71	70		"	"	4	"		
4			N	"	0	30.29	70	71	70		"	"	2	"		
5			"	"	0	30.29	70	71	70		"	"	1	"		
6			N by W	"	0	30.28	70	70	69		"	"	2	"		
7			"	"	0	30.29	70	70	69		"	"	1	"		
8			WNW	"	0	30.23	70	70	69		"	"	1	"		
9			SSW	SSE	0-1	30.27	70	71	70		"	"	1	"		
10			SSW	"	0-1	30.27	70	72	70		"	"	1	"		
11			SSE	"	0-1	30.37	70	72	70		"	"	1	"		
Noon.			S	S	0-1	30.37	70	73	70		"	"	1	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			4800 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SSE	SE	3	30.34	71	72	71	bc	Cum Nimb	1	S
2	SE	"	3	30.33	71	72	71	"	"	2	"
3	"	"	3	30.33	71	72	71	"	"	1	"
4	NNE	"	3	30.32	71	72	71	"	"	2	"
5	N	E	2	30.32	71	72	71	"	"	0	"
6	"	"	2	30.32	71	72	71	"	"	0	"
7	N by W	"	0-1	30.32	71	71	70	"	"	0	"
8	NW by N	"	0-1	30.36	71	71	70	"	"	0	"
9	"	"	0	30.38	71	71	70	"	"	3	"
10	S by E	SE	1	30.39	71	71	70	"	"	4	"
11	SSE	Calm	0	30.39	70	71	70	"	"	3	"
Mid.	S	"	0	30.39	70	71	70	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	*	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday July 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and Misty Tide turned flood at 2.30. Calm

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy and pleasant Calm Riding to ebb. Exchanged colors with French str
[steamer] following motions of Flag ship. Received in Pay. Dept. fresh beef and vegetables.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy. Misty. Pleasant. Calm first hour. Wind light from S.S.E. and S.
remainder of watch. Bar[ometer] rising sea smooth. Tide turned flood at 9.30. B. F. Caswell
(S.M.M.) Asa Michell Sea. & W. J. Elias Lds. Absent from the ship without leave. By order of
Comdr. confined John Hall in double irons to await trial by Court Martial for insubordinate
language to his superior officer. At 9.30 made interrog sig. 5455. Flag Ship answered 904
Loosed sail.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy. Moderate sea breeze from S.E. At 1 made interrog. sig. 4826.
Flag Ship answered 904. Furled sail slack water at 3.30. At 1 French Flag Ship fired a salute of
15 guns. Brazilian flag at fore. At 1.30 Brazilian Flag Ship fired a salute of 15 guns. French flag
at fore.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Pleasant. Wind light from S. E. Bar. steady Sea smooth. Ebb tide. At
5.15 Flag Ship ~~fired a salute~~ made prep 2985. At 5.30 exchanged number with U.S.S. "Alaska."
Following motive of Flag Ship. At 6 Alaska came to anchor in harbor.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Cloudy. Cool. Pleasant. Light airs from S. E. with calms. Swung to flood at
9.30

Signed Saml. C. Lemly
Ensign

Moon phase 1st qr. Dec. N. 12°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S	Calm	0		30.38	70	71	70	bc	Cum Nimb	5	S	
2			"	"	0		30.37	70	71	70	"	"	5	"	
3			NNW	"	0		30.37	69	70	69	"	"	4	"	
4			N by W	"	0		30.36	69	70	69	"	"	3	"	
5			N	"	0		30.35	70	70	69	"	"	3	"	
6			NW	"	0		30.35	70	70	69	"	"	1	"	
7			"	NE	0-1		30.36	70	70	69	"	"	2	"	
8			N by W	Calm	0-1		30.36	70	70	69	"	"	3	"	
9			NNE	ENE	0-1		30.38	71	71	70	"	"	4	"	
10			SE by S	"	3		30.45	71	72	71	"	"	6	"	
11			SSE	"	3		30.43	72	73	72	"	"	8	"	
Noon.			"	"	3		30.45	72	73	73	"	"	7	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			1500 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.										
1	S by W	NW	2	30.37	72	74	73	bc	Cir Cum	7
2	SSE	SSE	3	30.35	72	74	73	"	"	8
3	S by W	SE	3	30.35	72	74	73	"	"	9
4	E by S	"	3	30.35	73	74	73	"	"	7
5	NE	"	4	30.35	73	74	73	"	"	7
6	NW	"	3	30.35	72	73	71	"	"	4
7	NNE	"	1	30.35	72	72	71	"	"	8
8	NW	NE	4	30.33	71	72	71	"	"	8
9	N by W	ENE	3	30.33	70	71	71	"	"	9
10	SW	NNE	0-1	30.33	70	70	69	"	"	9
11	S by E	Calm	0	30.33	70	71	69	"	"	9
Mid.	"	"	0	30.33	70	70	69	"	"	9

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	*	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday July 31st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant. Calm. Bar[ometer] falling slowly. Sea smooth.
Tide turned ebb at 2.30.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Pleasant. Calm and light airs from N.E. and N. Ebb tide At 7.30 Flag
Ship made general signal 3351.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Cool Moderate breeze from E.N.E. Cir. Cum. Numb clouds. At 8
Alaska fired the following salutes. 21 guns. Brazilian flag at fore and hoisted jib Answered by
Fort Villaganoun 13 guns for flag of Rear Admiral Nicholas 15 guns for Brazilian Vice Admiral
returned by "Nichteroy" 15 guns for French Rear Admiral returned by "Thernis" At 9.30
inspected at quarters and exercised 1st and 2nd Div. at great guns. Marine Guard at small arms.
At 10 swung to flood.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze from N.W. and S.E. Flood tide.
At 1.55 French Flag Ship fired a salute of 15 guns Brazilian flag at fore. At 2.30 "Voliage" fired a
salute of 11 guns. English jack at fore. Master L. P. Jerrett and Mid. C. D. Bruns reported for
duty on board the ship.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Pleasant Moderate breeze from S.E. falling light and towards end of
watch freshening and shifting to N.E. Cir Cum clouds. At 5.10 Flag Ship made general sig.
2984. Engaged in touching up bare spots on outside

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear and pleasant Gentle breeze to light airs from E.N.E. and N.N.E. first
two hours. Calm last tow hours. Swung to flood at 11.30.

Signed C. B. T. Moore
Ensign

Moon phase 1st qr. Dec. N. 7°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		S	Calm	0	30.37	69	71	70		bc	Cum Nimb	8	S			
2		W	"	0	30.35	69	71	70		"	"	8				
3		"	"	0	30.35	67	70	69		"	"	9				
4		N	"	0	30.35	67	69	68		"	"	8				
5		N by W	"	0	30.35	67	68	67		b	None	10				
6		"	"	0	30.35	67	68	67		bc	Cir Cum	6				
7		NNW	ENE	0-1	30.36	66	67	69		"	"	3				
8		NW	"	0-1	30.37	68	67	67		"	"	7				
9		NW by N	WNW	0-1	30.40	70	69	69		"	"	8				
10		WNW	NNW	0-1	30.40	70	70	70		"	"	9				
11		S by E	Calm	0	30.40	70	71	71		"	"	9				
Noon.		"	SSW	1	30.40	70	72	71		"	"	9				

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1200 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	S	SE	4	30.45	72	74	72	bc	Cir Cum	9	S
2	"	ESE	3	30.33	72	73	71	"	"	9	
3	"	E	3	30.30	72	73	72	"	"	8	
4	"	"	2	30.30	72	73	72	"	"	8	
5	NW by N	SE	2	30.32	71	73	72	"	"	7	
6	NNE	"	1	30.32	71	73	72	"	"	8	
7	N	E	2	30.35	70	73	71	"	"	9	
8	NNE	ESE	2	30.35	70	72	70	"	"	9	
9	"	NNW	2	30.35	70	71	69	"	"	9	
10	SE by S	ESE	1	30.35	70	71	69	"	"	9	
11	E	SE	3	30.35	70	70	69	"	"	9	
Mid.	S	"	1-0	30.35	71	70	69	"	"	9	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday August 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Damp Calm At 3.35 swung to ebb.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Calm first part. Light airs later part from E.N.E. At 7.50
Flag Ship made general signal 3351. answered. Received on board fresh provisions for crew.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Clear and pleasant. Calm and light variable airs. Swung to flood at 11.30

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light to moderate breeze from S.E. to E. At 12.30
Flag Ship made general signal 3967 and Geog[raphical] 1516. At 3 the French Admiral of the
"Thernis" visited Comdg. Officer Flood tide. Midshipman C. D. Bruns reported for duty on board
in obedience to orders from Navy Dept.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Light airs to light breeze from S.E. to E. Swung to ebb at
5.15.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light airs to light variable breeze. Tide turned flood at
8.30.

Signed J. K. Cogswell
Lieut

Moon phase last qr. Dec. S. 1 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			S by E	ESE	1		30.35	70	70	69		bc	Cum	9	S	
2			S	E	1		30.35	70	70	69		b	None	10	"	
3			SW by S	"	1		30.35	70	70	69		"	"	10	"	
4			NNW	"	1		30.35	70	70	69		"	"	10	"	
5			N by W	"	0-1		30.33	69	70	68		"	"	10	"	
6			N	Calm	0		30.33	69	69	68		bc	Cir Cum	9	"	
7			NNW	"	0		30.38	69	69	68		"	"	9	"	
8			N by W	ENE	0-1		30.39	69	69	68		"	"	9	"	
9			N	NW	0-1		30.40	70	69	70		"	"	9	"	
10			NW by N	N	0-1		30.42	71	72	71		"	"	9	"	
11			"	"	0-1		30.42	70	72	70		"	"	9	"	
Noon.			W	Calm	0		30.41	70	73	72		"	"	2	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		900 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			SSE	Calm	0		30.38	72	73	72		bc	Cir Cum	4	S	
2			S	SE	1-2		30.38	73	74	72		"	"	5		
3			"	"	2		30.35	73	74	72		"	"	8		
4			"	"	2		30.35	73	74	72		"	"	2		
5			E	ESE	4		30.35	72	73	70		"	"	2		
6			"	"	3		30.35	72	73	70		"	Cum Nimb	7		
7			N	E	2		30.35	72	72	71		"	"	9		
8			"	"	1-2		30.35	71	71	70		"	"	3		
9			E	"	2-3		30.38	71	70	69		"	"	5		
10			SE	"	3		30.37	70	69	70		"	"	7		
11			SSE	"	1-2		30.37	70	69	69		"	"	9		
Mid.			S	"	1-2		30.37	69	70	69		"	"	9		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday August 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Light airs from E.S.E. and E. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Calm and light airs from E. and E.N.E. Bar[ometer] rising
Sea smooth. Tide turned ebb at 4.15. At 7.30 Flag Ship made general sig. 3551. At 8 dressed
ship at mastheads Brazilian Flag at main in honor of Brazilian holiday.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear first part. Cloudy latter part of watch. Light airs from E.N.E. and N.
Calm last hour. At 9.15 exercised at fire quarters Div. cast loose as follows. Eng. 28 s[econds].
Nav. 35 s. Marine Guard 45 sec. 1st 45 sec. 2nd 50 sec. Pdr [Powder] 50. Secured in 1 m[inute]
30 sec. Midshipman J. R. Henderson absent without leave R. E. Eugene (W.O.S.) and Asa
Mitchell (Lds) absent from the ship without leave. Tide turned flood at 10.30. Mid. Henderson
was placed under suspension by order of Comdr. for overstaying leave.

Signed J. K. Cogswell
Lieut

Merid. to 4 P.M. Partially cloudy first half. Clear and pleasant last half. Calm and light breeze
from S.E. Flood tide at 1. Brazilian French and American Flag Ship and shore batteries of 21
guns. Received in Paymasters Dept. 2000 gals fresh water.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy and pleasant. Moderate breeze from E.S.E. first part Light airs latter
part from E. At 5.15 Flag Ship made general sig. 2985. Swung to ebb at 415.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Partially cloudy first part. Clear and pleasant latter part. Wind light to gentle
from E. Bar. rising sea smooth. Flood tide. Ship riding to wind first part.

Signed C. K. Curtis
Lieut

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			ENE	Calm	0		30.37	70	70	69	b	None	10	S		
2			S by E	"	0		30.37	70	70	68	"	"	10	"		
3			S by W	"	0		30.36	69	70	68	"	"	10	"		
4			S	SE	0-1		30.35	69	70	68	"	"	10	"		
5			"	North	1		30.35	69	70	68	bcz	Cum Str	9	"		
6			"	"	1		30.35	69	70	68	"	"	9	"		
7			N	"	1		30.40	70	70	68	"	"	9	"		
8			"	"	1		30.42	70	70	68	"	"	9	"		
9			NW by N	"	0-1		30.44	70	70	68	bc	"	9	"		
10			NW	"	1		30.45	70	71	69	"	"	9	"		
11			SW	"	1		30.45	69	71	69	"	"	9	"		
Noon.			"	"	1		30.42	69	71	70	"	Cum	9	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	2000 "
Water remaining on hand fit for me at Noon			2600 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SE	SE	1-2	30.40	71	72	71	bc	Cum Str	9	S
2	"	"	3	30.38	71	73	71	"	"	9	"
3	"	"	4	30.36	71	73	71	"	"	9	"
4	South	"	4	30.36	72	73	71	"	"	9	"
5	SE	"	3	30.36	72	73	71	"	"	9	"
6	NNE	"	2-3	30.36	72	72	70	"	"	9	"
7	N by W	"	1-3	30.36	72	72	70	"	"	9	"
8	N	"	1	30.36	72	72	70	"	"	5	"
9	NE by E	"	1	30.40	72	71	70	"	"	7	"
10	S	"	1	30.40	71	71	70	"	"	7	"
11	"	Calm	0	30.40	70	71	70	"	"	7	"
Mid.	"	"	0	30.40	70	71	70	"	"	7	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Calm first three hours; light airs from S.E. last hour. Flood tide.

(Signed) J. K. Cogswell
Lieut

4 to 8 A.M. Clear and fine, but hazy about horizon. Light airs from North. Swung to ebb at 6.10.

(Signed) Sam. C. Lemly
Ensign

8 A. M. to Merid. Weather clear and pleasant. Wind light from North. Barometer falling. Sea smooth. Tide turned flood at 10.40.

(Signed) C. K. Curtis
Lieut

Merid. to 4 P.M. Clear and pleasant. Sea smooth. Barometer falling slowly. Running flood tide. At 12.30 sea breeze made from S.E. Recorder of Summary Court Martial furnished John Hall (O.S.2nd CI) with copy of specifications preferred against him by Comdr. W. S. Schley. At 3.30 "Hartford" made 2984.

(Signed) Sam. C. Lemly
Ensign

4 to 8 P.M. Clear and pleasant. Gentle breeze from S. E. decreasing to light airs by end of watch. Barometer steady. Sea smooth. Tide turned ebb at 5.30.

(Signed) C. K. Curtis
Lieut

8 P.M. to Mid. Clear and pleasant. Light breeze from S. E. & calm. Barometer steady. At 9 swung to flood.

(Signed) Sam. C. Lemly
Ensign

Moon phase 1st qr. Dec. S. 13°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			N by W	E	1	30.40	70	71	70	bc	Cir Cum	9	S			
2			NE	"	0-1	30.40	70	70	69	"	"	9	"			
3			SSE	"	1	30.38	69	69	68	"	"	9	"			
4			S by W	"	1	30.38	68	69	68	"	"	9	"			
5			"	"	1	30.35	68	69	68	"	"	8	"			
6			N by E	"	1	30.35	68	69	68	"	Cir Cum Nimb	2	"			
7			NNE	"	0-1	30.38	68	69	68	"	"	2	"			
8			N by W	NE	0-1	30.38	68	68	68	"	"	1	"			
9			"	"	0-1	30.40	70	70	69	"	Cir Cum	5	L			
10			"	"	0-1	30.45	71	71	70	"	"	5	"			
11			SW	"	0-1	30.45	71	71	70	"	"	5	"			
Noon.			"	"	2	30.45	71	72	71	"	"	5	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ⊕	°	" "
Longitude by Chronometer from Forenoon Observations ⊕	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		2300 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	SSW	S	2	30.40	72	74	73	bc	Cir Cum	8	S
2	SSE	SSE	3	30.38	72	75	74	"	"	9	"
3	SE	SE	3	30.36	73	75	74	"	"	8	"
4	S by E	SSE	3	30.36	73	75	74	"	"	8	"
5	"	"	3	30.36	73	74	73	"	"	8	"
6	"	"	2	30.36	72	73	71	"	"	8	"
7	NNW	"	1	30.36	73	72	71	"	"	8	"
8	N	"	1	30.39	72	72	71	"	"	8	"
9	N by E	ESE	1	30.40	71	72	71	"	"	5	"
10	NNW	E	1	30.42	71	72	71	"	"	8	"
11	S	"	3	30.42	71	72	71	"	"	8	"
Mid.	"	"	2	30.42	70	72	71	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday August 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind light from E. Barometer falling slowly.
Sea smooth. Tide turned flood at 2.30.

(Signed) C. K. Curtis
Lieut

4 to 8 A.M. Clear first hour. Cloudy remainder of watch. Light airs from E. and N.E. Swung to
ebb at 6. At 7.30 Flagship made gen. sig. 3350. Answered.

(Signed) C. B. T. Moore
Ensign

8 A. M. to Merid. Partially clear. Pleasant. Light airs from N.E. freshening last hour. Long swell.
Barometer rising. Ord. Sergt. Louis Zachman (M.C.) reported the expiration of his term of
service. At 9.45 held divisional inspection and at 10, Comdr. inspected ship and crew at
quarters, and afterwards held divine service. The following men absent without leave. Viz:
Wm.G. Norwood (Sea) John Farren (2s M.) W. W. Sheldon (O.S.2d Cl.) Thos. C. Pentz (O.S.
2d Cl.) At 10.30 slack water. Ship riding across tide remainder of watch. At 11.30 John Farren
2s.M.) and Wm. G. Norwood (Sea.) returned on board. Sent a special liberty party of 35 men
ashore until 7 A.M. tomorrow. Philip Hazard (O.S.) run from Whale Boat while ashore on duty.

(Signed) Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear. Warm. Light to gentle breeze varying from S. to S.E. Flood tide. Thos. C.
Pentz (O.S.2d Cl.) and W. W. Sheldon (O.S. 2d Cl.) returned on board.

(Signed) C. B. T. Moore
Ensign

4 to 8 P.M. Clear and pleasant. Moderate breeze S.S.E. falling light towards end of watch. At
6.30 swung to ebb. Asa S. Mitchell (Lds) returned on board 7 days overtime. Barometer rising
slowly. Sea smooth.

(Signed) Sam. C. Lemly
Ensign

8 P.M. to Mid. Clear and pleasant. Bright moonlight. Light airs to gentle breeze from E.S.E. and
E. Swung to flood at 10.40.

(Signed) C. B. T. Moore
Ensign

Moon phase 1st qr. Dec. S. 19°

Examined and found to be correct

(Signed) Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NW by N	N	1	30.42	70	72	70		bc	Cum	9	L	
2			N by E 12 E	NE	2	30.42	69	71	69		"	"	9	"	
3			"	"	2	30.41	70	71	70		b	None	9	"	
4			SE by E	"	2	30.41	70	71	70		"	"	10	"	
5			S by W	Calm	0	30.41	70	71	70		"	"	10	"	
6			"	"	0	30.41	70	71	70		Bc	Cum	9	S	
7			"	"	0	30.41	70	71	70		"	"	9	"	
8			N by W	"	0	30.42	70	71	70		"	"	9	"	
9			NNW	NW	0-1	30.45	71	71	70		"	Cum Nimb	7	"	
10			"	N	2	30.45	71	71	70		"	Cir Cum Nimb	4	"	
11			SSW	"	1	30.45	71	72	71		"	"	3	"	
Noon.			SE	ENE	4	30.45	71	73	72		"	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SE by E	NE	4	30.44	72	73	72	o	Cir Nimb	0	S
2	NE	ENE	4	30.44	72	74	73	bc	"	1	"
3	NW by N	"	4	30.44	72	74	73	"	"	2	"
4	"	E	4	30.44	72	75	73	"	"	6	"
5	SE	"	2	30.39	73	74	73	"	"	4	"
6	S by E	ESE	2	30.38	72	73	72	"	"	5	"
7	"	"	2	30.38	72	73	72	"	"	8	"
8	N by E	"	2	30.38	71	73	72	"	"	9	"
9	N	E	4	30.40	71	72	71	"	"	2	"
10	NW	"	3	30.40	71	72	71	"	"	5	"
11	S	"	3	30.43	71	72	71	"	"	7	"
Mid.	S by E	ENE	2	30.43	71	72	71	"	"	4	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Monday August 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light breeze from North and N.E. Long swell. Barometer falling slowly. At 1.10 swung to ebb and at 3.55 to flood

(Signed) Sam. C. Lemly
Ensign

4 to 8 A.M. Clear and pleasant. Calm. American steamer "City of Rio de Janeiro" came in and anchored. Swung to ebb at 7. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered. Philip Hazard (O.S.) was brought on board on a state of beastly intoxication.

(Signed) J. K. Cogswell
Lieut

8 A. M. to Merid. Cloudy. Pleasant. Light airs from N. first three hours. Moderate breeze from E.N.E. last hour. Summary Court met at 9.40 and adjourned at 10.50. Patrick Punch (O.S.) and John Delucose (O.S.) returned on board. Swung to flood at 10.30.

(Signed) C. B. T. Moore
Ensign

Merid. to 4 P.M. Cloudy and pleasant. Moderate breeze from N.E. to East. At 12.20 Flagship made gen. sig. 2735, and at 3.30 2984. Answered. Swung to the ebb at 1.30.

(Signed) J. K. Cogswell
Lieut.

4 to 6 P.M. Clear, cool and pleasant. Light breeze from E.S.E. At 4.40 Flagship made prep[atory] sig. 5404. Answered. At 5.10 went to quarters to serve out clear hammocks. By order of Comdg. Officer, confined James Brady (Mach) in single irons for imprudently persisting in his desire to see the Comdg. Officer. Swung to ebb at 7.00.

(Signed) C. B. T. Moore
Ensign

8 P.M. to Mid. Cloudy and pleasant. Light to moderate breeze from East to E.N.E. Bright moonlight. Swung to flood at 11.

(Signed) J. K. Cogswell
Lieut

Moon phase 2nd qr. Dec. S. 23 °

Examined and found to be correct

(Signed) Asa Walker
Lt. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S by E	NE	2		30.43	71	72	71		b	None	10	S
2			N by W	"	2		30.40	71	72	71		"	"	10	"
3			N	"	1		30.40	71	72	71		"	"	10	"
4			"	"	0-1		30.40	71	72	71		"	"	10	"
5			"	"	0-1		30.38	71	70	70		"	"	10	"
6			S	"	0-1		30.38	70	71	70		bc	Cum	6	"
7			NW by W	"	0-1		30.39	69	70	69		"	"	4	"
8			N	N	1		30.40	69	70	69		"	Cir Cum Str	3	"
9			"	Calm	0		30.40	71	72	71		"	"	8	"
10			NNW	NNW	0-1		30.42	71	73	72		"	"	9	"
11			W	NW	0-1		30.42	72	73	72		"	"	9	"
Noon.			WSW	"	0-1		30.42	72	74	73		"	"	9	"

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1700 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1			S by W	SSE	1-2		30.38	72	74	73		bc	Cir Cum Str	7	S	
2			SSW	"	2		30.34	72	74	73		"	"	7	"	
3			WNW	SE	1-2		30.33	73	76	74		"	"	7	"	
4			NE	"	2		30.33	73	74	73		"	"	5	"	
5			SSE	E	2-3		30.33	74	74	73		"	"	6	"	
6			SE	ESE	4		30.33	72	73	72		"	"	7	"	
7			ESE	"	4		30.33	72	72	70		"	"	8	"	
8			E by N	"	5		30.33	72	71	69		"	"	8	"	
9			NNE	NE	2-3		30.34	71	71	70		"	"	7	"	
10			N by E	"	1		30.33	71	71	70		"	"	7	"	
11			NE	"	1		30.33	71	71	70		"	"	6	"	
Mid.			"	Calm	0		30.33	71	70	70		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday August 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light breeze from N.E. to light airs. Swung to ebb at 1.30.

(Signed) C. B. T. Moore
Ensign

4 to 8 A.M. Clear and pleasant first hour, cloudy remainder of watch. Light airs from N.E. and N. Barometer rising. Sea smooth. Swung to flood at 5.30 and to ebb at 6.40. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) C. K. Curtis
Lieut

8 A. M. to Merid. Clear and pleasant. Light airs from N.N.W. to N.W. At 9.15 inspected at quarters. Received in Equipment Department 3 coils manila rope 3 1/4 in. 1 coil 3 1/2 in. 1 coil 2 3/4 in. and 3 coils 3 3/4 in. James Brady (Mach.) was released from confinement by order of Commanding Officer. Sent launch to "Guard" for the purpose of transferring stores.

(Signed) J. K. Cogswell
Lieut

Merid. to 4 P.M. Clear and pleasant. Wind light from S.S.E. to S.E. Barometer falling. Sea smooth. Tide turned ebb at 2.30. Received in Equipment Department the following stores viz: 1 coil manila rope 1 1/2 in. 1 coil 1 3/4 in. and 35 fathoms hemp rope 3/4 m. At 3.30 H.B.M. Gunboat "Avon" got underweigh and left the harbor.

(Signed) C. K. Curtis
Lieut

4 to 8 P.M. Clear and pleasant. Light breeze first part, increasing to stiff breeze and shifting from S. E. to E.S.E. At 5.15 Flagship made gen. sig. 2985. Answered. Swung to the flood at 4.30.

(Signed) J. K. Cogswell
Lieut

8 P.M. to Mid. Clear and pleasant. Wind light from N.E, calm latter part of watch. Barometer falling slowly. Sea smooth. Moonlight. Ebb tide.

(Signed) C. K. Curtis
Lieut

Moon phase 2nd qr. S. 26 °

Examined and found to be correct

(Signed) Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro, Brazil.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW by S	NW	0-1	30.35	70	71	70		bc	Cir Cum	5 9	S	
2			SSE	NNW	1	30.35	70	71	70		b	None	10	"	
3			N	N	1	30.35	70	71	70		"	"	10	"	
4			"	E	1	30.35	69	70	69		"	"	10	"	
5			"	"	1	30.35	69	70	69		"	"	10	"	
6			"	"	1	30.35	69	70	69		"	"	10	"	
7			"	"	1	30.33	69	69	68		"	"	10	"	
8			"	"	1	30.33	69	70	69		"	"	10	"	
9			NW by N	NW	1	30.35	70	70	69		bc	Cir Cum	9	"	
10			"	Calm	0	30.37	71	72	71		"	"	9	"	
11			"	"	0	30.33	71	72	71		"	"	9	"	
Noon.			NW	"	0	30.34	72	74	72		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			1300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	E by S	SE	2	30.30	72	74	72	bc	Cir Cum	8	S	
2	SW by W	"	2	30.27	72	74	72	"	"	8	"	
3	S	"	2	30.26	72	74	72	"	"	8	"	
4	"	"	1-2	30.25	72	74	72	"	"	8	"	
5	NNW	"	2	30.25	73	73	71	"	"	8	"	
6	SW	"	1	30.25	73	73	71	"	"	7	"	
7	SSE	Calm	0	30.25	73	73	72	"	"	7	"	
8	"	"	0	30.25	73	73	72	"	"	5	"	
9	"	"	0	30.25	73	72	71	"	"	5	"	
10	NNW	"	0	30.25	72	73	72	"	"	7	"	
11	"	"	0	30.25	71	72	71	"	"	8	"	
Mid.	"	"	0	30.25	71	71	70	"	"	8	"	

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday August 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs from N.W. to East. Swung to eth ebb at 2.30.

(Signed) J. K. Cogswell
Lieut

4 to 8 A.M. Clear and warm. Light variable airs. Engaged in blacking down.

(Signed) L. P. Jerrett
Master

8 A. M. to Merid. Clear and warm. Wind light from N.W. first hour. Calm remainder of watch. Barometer rising. Sea smooth. Ebb tide.

(Signed) C. K. Curtis
Lieut.

Merid. to 4 P.M. Clear and warm. Light breeze from S.E. Sent first cutter in charge of an officer for sand.

(Signed) L. P. Jerrett
Master

4 to 8 P.M. Clear and pleasant. Wind light from S.W. Calm last half. Barometer steady. Sea smooth. Swung to flood at 5.50. By order of Comdr. David Shelly (Lds) confined in double irons for smuggling liquor on board.

(Signed) C. K. Curtis
Lieut.

8 P.M. to Mid. Clear and pleasant. Calm. At 9.50 swung to ebb tide.

(Signed) L. P. Jerrett
Master

Moon phase 2nd qr. Dec. S. 27°

Examined and found to be correct

(Signed) Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro, Brazil

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			NW by N	N	1	30.24	71	71	69	bc	Cir Cum	9	S	
2			"	"	1	30.22	70	71	69	"	"	9	"	
3			NNE	"	1	30.20	70	71	69	"	"	9	"	
4			N by E	"	1	30.20	70	71	69	"	"	9	"	
5			N	NE	1	30.20	70	69	68	"	"	9	"	
6			"	NNE	1	30.20	70	69	68	bcm	"	5	"	
7			N by E	"	0-1	30.22	69	68	68	"	"	5	"	
8			S by E	N by E	0-1	30.22	69	70	70	"	"	7	"	
9			NW by N	NNE	1-2	30.22	69	70	68	"	"	7	"	
10			W by N	"	1-2	30.23	70	70	69	"	"	7	"	
11			"	"	1-2	30.23	70	72	70	"	"	7	"	
Noon.			"	"	1-2	30.23	70	73	72	"	"	7	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		1650 "
Water remaining on hand fit for me at Noon		2650 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.														
1	E by S	SSE	2	30.16	71	73	72	bc	Cir Cum	9				
2	S	"	3	30.14	71	73	72	"	"	9	"			
3	S by E	"	3	30.12	72	73	71	"	"	9	"			
4	SW by S	"	3	30.11	71	72	71	"	"	9	"			
5	"	"	3	30.11	72	72	71	"	"	9	"			
6	NNW	"	3	30.11	72	72	71	"	"	9	"			
7	"	"	2	30.11	72	72	71	"	"	9	"			
8	"	WNW	2	30.11	72	72	71	"	"	9	"			
9	WSW	"	1	30.11	71	72	71	bcm	"	7	"			
10	W by N	Calm	0	30.11	71	72	71	"	"	6	"			
11	"	N	1	30.11	71	72	71	"	"	4	"			
Mid.	NNW	"	0-1	30.11	71	72	71	"	"	5	"			

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday August 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind light from N. Barometer falling. Sea smooth. Ebb tide.

(Signed) C. K. Curtis
Lieut.

4 to 8 A.M. Clear and pleasant. Light airs varying from N.E. to N.N.W. Misty. Swung to flood at 7.30. At 7.20 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) Sam C. Lemly
Ensign

8 A. M. to Merid. Clear and pleasant. Barometer steady. Sea smooth. Engaged painting ship inside.

(Signed) L. P. Jerrett
Master

Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze from S.S.E. Swung to flood at 1.55. Painting ship inside. At 3.55 Flagship made gen. sig. 3967 and geog[raphical] 1516. Answered.

(Signed) Sam. C. Lemly
Ensign

4 to 8 P.M. Clear and pleasant. Light to gentle breeze from S.S.E. Finished painting ship inside. Swung to the flood at 6.30.

(Signed) L. P. Jerrett
Master

8 P.M. to Mid. Cloudy last two hours. Calm and light airs from W.N.W. and W. Misty. Moonlight. Swung to ebb at 11.35.

(Signed) Sam. C. Lemly
Ensign

Moon phase 2nd qr. Dec. S. 27°

Examined and found to be correct

(Signed) Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NNW	NW	1		30.12	71	72	71		b	None	10		S
2			"	"	1		30.11	71	71	70		"	"	10		"
3			"	"	1		30.10	70	71	70		"	"	10		"
4			"	"	1		30.10	70	70	69		"	"	10		"
5			"	NNW	0-1		30.08	70	70	69		"	"	10		"
6			"	"	0-1		30.08	70	70	70	bcm	Cir Cum	9	"		
7			NNE	NNE	0-1		30.08	70	70	70		"	"	9		"
8			N by E	WNW	1		30.08	70	70	70		"	"	9		"
9			SSE	NE	1		30.10	71	71	71		"	"	9		"
10			SW by S	NNW	1		30.15	71	71	71	bcz	"	"	9	"	
11			W by S	"	2		30.14	71	71	72		"	"	9	"	
Noon.			NNW	"	1		30.15	72	72	72		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			3300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N	NE	1	30.12	75	75	74	bc	Cir Cum	9	S
2	"	"	1	30.12	75	75	74	"	"	7	"
3	N by W	Calm	0	30.08	76	78	76	"	"	3	"
4	NNW	S	1	30.08	76	78	76	"	"	2	"
5	WNW	"	2	30.07	74	76	74	"	"	2	"
6	NW by W	SSW	2	30.07	74	75	73	"	"	2	"
7	NW	"	1	30.07	74	75	74	"	Cum Nimb	1	"
8	W by N	"	1	30.10	74	75	74	"	"	1	"
9	SSE	Calm	0	30.10	74	75	74	bcz	Cir Cum	4	"
10	S	"	0	30.10	74	75	74	"	"	6	"
11	"	"	0	30.10	73	74	73	"	"	4	"
Mid.	NW	"	0	30.10	73	74	73	"	"	3	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday, August 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear pleasant. Light airs from N.W. Ebb tide.

(Signed) L. P. Jerrett
Master.

4 to 8 A.M. Clear and pleasant. Misty around the horizon. Light variable airs. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered. Received on board fresh provisions for crew. At 8 dressed mast heads of ship. Brazilian flag at main, in honor of Brazilian holiday. Ebb tide.

(Signed) C. B. T. Moore
Ensign

8 A. M. to Merid. Clear and hazy. Warm. Light airs to light breeze from N.E. and N.N.W. At 9.15 Brazilian iron clad "Bahia" got underway and went out. At 9.15 inspected at quarters. Unshackled port chain from mooring swivel, and shackled starboard chain to swivel. Swung to ebb at 11.45. Received in Equipment Department. 1/2 ton blacksmith coal. Hawse clear.

(Signed) Sam. C. Lemly
Ensign.

Merid. to 4 P.M. Cloudy and warm. Light airs from N.E. first two hours of watch. Sea breeze set in at 3.30. Released David Shelly (Lds) and Corpl. Thomas Jones (M.C.) from confinement; by order of Comdg. Officer. Working on main deck and poop awnings. Ebb tide.

(Signed) C. B. T. Moore
Ensign.

4 to 8 P.M. Cloudy, pleasant. Light airs to light breeze from S. and S.S.W. At 4 hove up starboard anchor. Made sails to topsails and stood up to N. & W, veering to 90 fms [fathoms] port chain. Let go starboard anchor. Shortened and furled sail. Hove in to 45 fms. port chain and put on mooring swivel. At 5.30 Flagship made gen. sig. 3985. Answered.

(Signed) Sam. C. Lemly
Ensign.

8 P.M. to Mid. Cloudy. Hazy. Pleasant. Calm. Cir. cum. clouds. At 9 swung to flood, at 11.30 swung to ebb.

(Signed) C. B. T. Moore
Ensign.

Moon's phase 2nd qr. Dec. S. 35°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW by N	WSW	1		30.10	75	75	74		bc	Cir Cum Nimb	2		S
2			N by W	Calm	0		30.10	75	75	74		o	"	0		"
3			NNW	"	0		30.10	75	75	74		"	"	0		"
4			N by W	NNE	0-1		30.10	75	75	74		"	"	0		"
5			NNW	WSW	0-1		30.06	73	75	75		bc	"	1		"
6			N by W	"	1		30.06	73	74	73		"	"	1		"
7			"	"	1		30.07	70	74	73		"	"	1		"
8			"	"	0-1		30.10	74	75	74		"	"	1	"	
9			NW by W	NW	1		30.12	74	76	75		"	"	1	"	
10			S	NNW	1		30.12	75	77	76		"	"	1	"	
11			SSW	WNW	1		30.12	75	77	76		"	"	3	"	
Noon.			W by S	"	1		30.09	76	78	77		"	"	5	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N by W	N	1	30.05	77	81	79	bc	Cir Cum	6	S
2	NNW	"	1-2	30.00	78	82	78	"	"	6	"
3	N by W	"	1-2	30.00	79	84	79	"	"	7	"
4	N	"	1-2	29.98	80	84	81	"	"	7	"
5	NNW	NE	1	29.98	81	85	83	b	None	10	"
6	"	Calm	0	29.98	81	82	83	"	None	10	"
7	"	"	0	29.96	79	81	79	"	"	10	"
8	"	"	0	29.97	79	79	79	"	"	10	"
9	N	"	0	29.97	78	79	78	"	"	10	"
10	SSE	"	0	29.97	78	78	78	"	"	10	"
11	SSW	"	0	29.98	77	78	78	"	"	10	"
Mid.	SW	"	0	29.98	77	78	78	"	"	10	"

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday, August 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Pleasant. Calm and light airs from W.S.W. and N.N.E.
Ebb tide.

(Signed) Sam. C. Lemly
Ensign

4 to 8 A.M. Cloudy. Pleasant. Light airs from W.S.W. Barometer rising slowly. Sea smooth. Ebb
tide. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) W. G. Hannum
Midshipman

8 A. M. to Merid. Cloudy and warm. Light airs from N.W. to W.N.W. Sent mail to Flagship. At 10
American Steamer "City of Rio de Janeiro", left the harbor. At 10.40 the U.S.S. "Alaska", got
underway and steamed out of the harbor. Swung to flood at 9.30.

(Signed) C. B. T. Moore
Ensign.

Merid. to 4 P.M. Clear and warm. Wind light from N. Barometer falling. Sea smooth. Swung to
ebb 12.15. At 3.30 Flagship made gen. sig. 2984. Answered. Renard Emile Eugene
(W.O.Stew.) declared a deserter, he having been absent from the ship ten days without
permission.

(Signed) J. K. Cogswell
Lieut.

4 to 8 P.M. Clear and warm. Calm. Sky cloudless. Barometer commenced to rise last hour of
watch. Ebb tide.

(Signed) C. B. T. Moore
Ensign

8 P.M. to Mid. Clear and pleasant. Calm. Barometer rising slowly. Sea smooth. Tide turned
flood at 9.45.

(Signed) J. K. Cogswell
Lieut

Moon's phase 2nd qr. Dec. S. 22 °

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			N	NW	0-1		30.00	76	77	75		bc	Cir Cum	9		S
2			"	"	0-1		30.00	76	77	75		"	"	9		"
3			NNW	ENE	0-1		30.00	75	76	75		"	"	9		"
4			"	"	0-1		30.00	75	76	75		"	"	9		"
5			"	Calm	0		30.00	75	76	75		"	"	8		"
6			"	"	0		30.00	75	75	74		"	"	8		"
7			N	NW	0-1		30.03	75	75	74		"	"	6		"
8			"	"	0-1		30.06	75	75	74		"	"	6	"	
9			SSW	N	0-1		30.06	75	78	75		"	"	5	"	
10			"	"	0-1		30.08	76	79	76		"	"	5	"	
11			"	"	0-1		30.07	76	78	76		o	"	0	"	
Noon.			SW by S	"	1		30.04	76	79	76		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water			"
during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			1700 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.											
1	NNW	N	2	30.00	78	80	79	bc	Cir Cum	8	S
2	"	"	2	29.97	78	81	80	"	"	9	"
3	"	N by E	2	29.96	79	82	81	"	"	8	"
4	N by W	"	2	29.95	78	82	81	"	"	9	"
5	NW	N	1-2	29.96	80	81	80	"	"	8	"
6	"	"	1	29.98	80	81	81	"	"	8	"
7	"	"	1	29.96	80	82	80	"	"	8	"
8	NNW	Calm	0	29.96	80	82	80	"	"	8	"
9	N	NNW	0-1	29.99	78	78	76	"	"	9	"
10	N by W	Calm	0	30.03	76	79	76	b	None	10	"
11	S by W	SSW	4	30.07	77	77	75	bc	Cum	9	"
Mid.	SSW	"	3-5	30.09	76	76	75	"	"	7	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday August 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs from N.W. first two hours, and from E.N.E. rest of watch. Swung to ebb at 2.45.

(Signed) C. B. T. Moore
Ensign

4 to 8 A.M. Clear. Pleasant. Calm first part. Light airs from N.W. latter part. Cir. Cum. clouds. Riding to ebb. Received in Pay. Dept. 153 [lbs] fresh beef and 155 [lbs] vegetables for crew. At 7.30 Flagship made gen[eral] sig[nal] 3354. Answered.

(Signed) C. K. Curtis
Lieut.

8 A. M. to Merid. Clear and warm. Wind light from N. Barometer rising. Sea smooth. Sunny to flood at 8.45. At 9.45 held preliminary inspection, and at 10.00 Comdr. inspected ship and crew at quarters, immediately after, called to muster and read prayers on quarter deck. Sent party of liberty men on shore.

(Signed) J. K. Cogswell
Lieut.

Merid. to 4 P.M. Clear. Warm. Light N[ortherly] breeze from N. Swung to ebb at 12.45. French mail steamer got underway and stood out to sea.

(Signed) C. K. Curtis
Lieut.

4 to 8 P.M. Clear and warm. Wind light from N. Calm last hour. Barometer steady. Sea smooth. Ebb tide. At 5.15 Flagship made gen. sig. 2985. Answered.

(Signed) J. K. Cogswell
Lieut

8 P.M. to Mid. Calm and pleasant. Light airs from N.N.W. first hour and calm. Sea breeze from S.S.W. set in at 10.15; and blew rest of watch from gentle to moderate breeze. Swung to the flood at 9.

(Signed) C. K. Curtis
Lieut

Moon's phase 2nd qr. Dec. S. 18°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW	SW	1-4	30.11	75	75	74		bc	Cum	9	S		
2			WSW	"	1-3	30.11	75	74	74		"	"	8	"		
3			NW	W	1-2	30.11	74	73	72		"	"	8	"		
4			NW by W	"	1	30.11	74	73	72		o	"	0	"		
5			"	"	3	30.12	70	72	71		bcm	Cir Cum	8	"		
6			WNW	"	2	30.17	73	72	71		"	"	4	"		
7			"	WNW	2	30.22	73	72	71		"	"	6	"		
8			ENE	"	1	30.22	73	72	71		"	"	8	"		
9			NNE	N	1-2	30.24	75	74	73		bc	"	6	"		
10			E	"	0-1	30.25	75	74	73		"	"	6	"		
11			SSW	NE	0-1	30.25	75	75	74		"	"	7	"		
Noon.			"	"	0-1	30.25	75	75	76		"	"	5	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1400 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SW by S	NNE	0-1	30.20	74	76	74	bc	Cir Cum	8	S
2	W by S	"	0-1	30.18	76	78	76	"	"	7	"
3	NW	SSW	3	30.18	75	77	75	"	"	8	"
4	"	"	3	30.17	73	76	75	"	"	9	"
5	W	S	4	30.17	71	73	72	"	"	8	"
6	SSW	"	3-5	30.17	71	72	71	bcm	Cir Cum Nimb	8	"
7	"	"	3	30.20	71	71	70	"	"	7	"
8	"	"	2	30.20	71	71	70	"	"	7	"
9	"	Calm	0	30.20	73	73	72	o	"	0	"
10	"	S by W	2	30.25	73	73	72	"	"	0	"
11	"	"	2	30.25	73	73	72	"	"	0	"
Mid.	"	SSW	3	30.25	73	73	72	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Monday, August 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind blowing fresh in puffs from S.W. first half, shifting to W. and increasing last half. Barometer steady. Sea smooth. Ship swung to ebb at 2.40.

(Signed) J. K. Cogswell
Lieut.

4 to 8 A.M. Clear. Misty. Gentle breeze to light airs from W. and W.N.W. Ebb tide. At 7.30 Flagship made general signal 3337. Answered.

(Signed) L. P. Jerrett
Master

8 A. M. to Merid. Clear. Warm. Very light airs from N. & E. Cir. Cum. clouds. At 9.30 exercised at general quarters. Time as follows viz: Cast loose 2 m[inutes] 45 sec[onds]. Secured in 3 m 15 sec. By order of Comdg. Officer Thos. Murphy (O.S.) was placed in double irons for not obeying an order and insolence. John O'Neill (O.S.2c) was released from double irons and confinement continued in single irons. Swung to flood at 9.30. Comdg. Officer imposed the following punishments. Allison Parker (Lds) extra watch every night till learns to keep forks clean. John Bullew (O.S.) dirty deck - one midwatch, extra duty. T. G. Roberts (O.S.2c) W. J. Lindon (O.S.2c) Wm. Barker (Lds) James Lestrangle (C. Smith) and John L. King (B. Mate) absent without leave.

(Signed) C. K. Curtis
Lieut

Merid. to 4 P.M. Clear and pleasant. Light airs from N.N.E. first two hours. Gentle breeze from S.S.W. last two. Swung to ebb at 2.30. At 2.40 made interrog[etory] sig[nal] 4826. Flagship made general signal 2984. Answered.

(Signed) L. P. Jerrett
Master

4 to 8 P.M. Clear. Pleasant. Moderate sea breeze from S. blowing in puffs. Cir. Cum. Nimb. clouds. Damp. T. G. Roberts (O.S.2c) returned on board. Confined T. G. Roberts (O.S.2c) in double irons, for being drunk, disorderly and jumping overboard. Wind falling light towards end of watch.

(Signed) C. K. Curtis
Lieut.

8 P.M. to Mid. Overcast. Calm first hour. Light to gentle breeze from S. W. and S.S.W. remainder of watch. Flood tide.

[no signature]

Moon's phase 3rd qr. Dec. S. 14°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SSW	SSW	3		30.25	70	70	69		bm	Cir Cum Nimb	0		S
2			"	"	3		30.25	70	70	69		bcm	"	1		"
3			NNW	S	2		30.25	70	70	69		"	"	1		"
4			"	"	1		30.25	70	70	69		"	"	1		"
5			"	NNE	1		30.25	70	71	70		ocm	Cum Nimb	0		"
6			"	Calm	0		30.25	70	72	71		"	"	0		"
7			NW	"	0		30.25	70	72	71		"	"	0		"
8			NNW	ENE	1		30.28	70	71	70		"	"	0	"	
9			WNW	Calm	0		30.30	70	71	70		o	"	0	"	
10			SSE	NNE	0-1		30.32	70	72	71		"	"	0	"	
11			S by E	"	0-1		30.32	71	72	71		"	"	0	"	
Noon.			S	E	0-1		30.30	71	73	72		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1100 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.												
1	S	E	0-1	30.28	71	72	71	om	Cum Nimb	0	S	
2	"	S by E	0-1	30.25	71	72	71	"	"	0	"	
3	W	S	1	30.25	70	71	70	"	"	0	"	
4	NW	SSW	3-4	30.24	70	71	70	"	"	0	"	
5	NW by N	SW	2	30.24	70	71	70	"	"	0	"	
6	NNW	"	2	30.24	70	71	70	"	"	0	"	
7	NW	"	1	30.24	70	72	71	"	"	0	"	
8	WNW	N	1	30.23	71	72	71	o	"	0	"	
9	SSW	Calm	0	30.23	71	72	71	"	"	0	"	
10	S by E	W by S	1	30.20	71	72	71	"	"	0	"	
11	S	NNW	1	30.20	71	72	72	"	"	0	"	
Mid.	SSW	Calm	0-1	30.20	71	72	72	"	"	0	"	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday, August 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Damp. Gentle S[outher]ly breeze dying out towards end of watch. Cir. Cum. Nim. clouds. At 2 swung to ebb. Obscured moonlight.

(Signed) C. K. Curtis
Lieut.

4 to 8 A.M. Overcast and misty. Light airs first hour from N.N.E. calm and light airs afterwards from E.N.E. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered. Received fresh provisions for crew. Followed motions of Flagship and hoisted colors as American ship left the harbor. Ebb tide.

(Signed) Sam. C. Lemly
Ensign.

8 A. M. to Merid. Overcast. Pleasant. Calm and light airs from N.N.E. and E. At 9.15 inspected at quarters. Exercised at company drill and dress parade. Swung to flood at 9.45.

(Signed) L. P. Jerrett
Master

Merid. to 4 P.M. Overcast and misty. Damp. Slight airs first three hours E. to S, last hour gentle to moderate breeze from S.S.W. At work on new awnings. At 2.30 slack water. Swung to ebb at 3.20.

(Signed) Sam. C. Lemly
Ensign

4 to 8 P.M. Overcast. Misty. Slight breeze to light airs from S.W. and N. Ebb tide. At 5.20 Flagship made gen. sig. 2985. Answered. Slack water at 7.30.

(Signed) L. P. Jerrett
Master

8 P.M. to Mid. Overcast and damp. Calm first hour, light airs rest of watch from W. by S. to W.N.W. By order of Comdr. Ellison Parker (Lds) stood four hours extra watch. Swung to flood at 9.30.

(Signed) T. D. Griffin
Midshipman

Moon's phase 3rd qr. Dec. S. 8 °

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	NW	1		30.30	70	72	70		o	Cir Nimb	0		L
2			S	Calm	0		30.30	70	72	70		"	"	0		"
3			SW by W	"	0		30.30	70	72	70		"	"	0		"
4			N by W	"	0		30.30	70	72	70		"	"	0		"
5			NNW	"	0		30.23	70	71	70		"	Cir Cum Str	0		"
6			N by W	"	0		30.23	70	70	70	bcm	"	"	3		"
7			"	"	0		30.24	69	70	70		"	"	4		"
8			W	W	0-1		30.25	70	70	70		"	"	4	"	
9			WSW	Calm	0		30.25	71	71	70		"	"	5	"	
10			S	E	1		30.27	71	72	71		"	"	7	"	
11			S by E	SSE	3		30.27	71	73	72		"	"	8	"	
Noon.			S	"	2		30.27	72	73	72		"	"	8	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			800 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.													
1	S	S	2	30.23	72	75	73	bc	Cir Cum Str	8	L		
2	S by W	SSW	3	30.20	72	73	72	"	Cum Nimb	2	"		
3	SW by W	SSW	3-4	30.20	72	72	70	"	"	2	"		
4	SSW	S	3-4	30.20	72	71	70	o	"	0	"		
5	NW	SSW	3-5	30.20	71	71	70	om	"	0	"		
6	N	W	0-1	30.20	71	71	70	"	"	0	"		
7	NW	"	0-1	30.22	71	71	70	on	"	0	"		
8	WNW	"	3-5	30.22	71	71	70	"	"	0	"		
9	SW by W	"	2-4	30.22	71	70	69	od	"	0	"		
10	SW by S	"	2-5	30.24	69	69	69	oqp	"	0	"		
11	SSW	"	3-5	30.24	69	69	68	oqr	"	0	"		
Mid.	"	"	2-4	30.25	69	68	68	"	"	0	"		

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday August 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Pleasant. Light airs from N.W. and calm. Swung to the ebb at 3.15. Long swell from S. and E.

(Signed) L. P. Jerrett
Master.

4 to 8 A.M. Cloudy and misty. Calm first three hours. Light airs from W. last hour of watch. Barometer rising slowly. Sea smooth. Ebb tide. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) C. B. T. Moore
Ensign

8 A. M. to Merid. Cloudy and pleasant. Misty. Calm first hour. Light breeze remainder of watch from E. to S.S.E. At 9.15 inspected at quarters. Working on new awnings. Swung to flood at 9.45.

(Signed) Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant first hour, overcast last part. Light to moderate breeze from S. & S.S.W. Flood tide. Ship rolling easily. Barometer steady.

(Signed) C. B. T. Moore
Ensign

4 to 8 P.M. Overcast. Misty first part, ugly threatening weather latter part of watch. Gentle to stiff breeze from S.S.W. first hour, light airs increasing to stiff breeze from West rest of watch. Ebb tide.

(Signed) Sam. C. Lemly
Ensign

8 P.M. to Mid. Weather cloudy and rainy. Wind fresh in squalls from W. Barometer rising slowly. Long swell from S. & W. Flood tide.

(Signed) C. B. T. Moore
Ensign.

Moon's phase 3rd qr. Dec. S. 3°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S by W	SSW	3-5	30.29	68	67	67	om	Nimb	0	S		
2			"	"	3-6	30.29	68	65	65	"	"	0	"		
3			SW	"	3-5	30.29	68	65	65	omq	"	0	"		
4			WNW	WSW	3-6	30.29	68	65	65	"	"	0	"		
5			NNW	"	3-4	30.29	68	65	65	"	"	0	"		
6			NNW	"	3	30.29	68	65	65	"	"	0	"		
7			"	"	3	30.30	66	64	65	o	"	0	"		
8			"	"	2	30.33	66	64	65	our	"	0	"		
9			W by S	"	2	30.38	66	64	65	omd	"	0	"		
10			WSW	"	2	30.39	65	65	65	om	"	0	"		
11			S	N by W	2	30.38	65	65	65	"	"	0	"		
Noon.			S by W	"	2	30.37	65	65	65	"	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			500 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S	NW	2	30.34	66	66	65	od	Nimb	0	S
2	"	S by W	4	30.33	66	66	67	o	"	0	
3	SSW	"	2	30.31	67	66	67	"	"	0	
4	WNW	"	2	30.32	67	67	66	"	"	0	
5	NNW	"	1	30.30	67	67	66	"	"	0	
6	"	"	0-1	30.32	67	67	66	"	"	0	
7	NW by W	Calm	0	30.32	67	67	66	"	"	0	
8	WNW	"	0	30.33	67	66	66	"	"	0	
9	SSW	"	0	30.33	68	66	66	"	"	0	
10	SSE	"	0	30.33	68	66	66	bc	"	2	
11	S	W	1-2	30.33	68	66	66	"	"	2	
Mid.	S by W	"	1-2	30.33	67	66	66	"	"	1	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday, August 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and disagreeable. Rainy during whole of watch. Squally. Gentle to fresh breeze from S.S.W. to W.S.W. Ruling between wind and ebb tide.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Ugly. Rainy. Squally. Moderate W.S.W[ester]ly breeze. Blowing in very fresh gusts. First part of watch slack water at 7.45. Received in Pay. Dept 155 lbs beef and 155 lbs vegetables.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and unpleasant. Drizzling rain first hour. Wind light to gentle from W.S.W. first half from N. by W. last half of watch. Barometer rising. Long swell from S. and E. At 9.15 inspected at quarters. By order of Comdg. Officer Thomas Murphy O.S. was released from confinement and the following punishments assigned. F. C. Jones O.S. for disrespect to Officer of deck confined in double irons F. Tilghman (O.S.2c) for disregarding repeated orders 5 days on quarter deck. Slack water at 11.15

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast Light N.W. breeze first hour. Light S[outher]ly sea breeze remainder of watch. French freight steamer came in and French mail steamer left harbor. Swung to ebb at 4.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Weather overcast. Wind light from S. by the first half. Calm last half of watch. Cir. Cum Nimb clouds. At 5.30 swung to ebb. Flag Ship made general signal 2985.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Cool. Damp. Calm first part. Light W[ester]ly airs latter part of watch. Cir. Cum Nimb clouds. At 8.30 swung to flood. Obscured moonlight.

Signed J. K. Cogswell
Lieut

Moon's phase 3rd qr. Dec. N. 2°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	Calm	0		30.30	66	66	65		bc	Cir Cum Nimb	1		S
2			S	"	0		30.30	66	66	65		"	"	1		
3			WNW	"	0		30.30	66	66	65		"	"	1		
4			NW	"	0		30.32	67	66	65		"	"	1		
5			N	"	0		30.26	67	65	65		"	"	2		
6			N by W	N	0-1		30.26	67	64	64		bcm	"	2		
7			N	WNW	0-1		30.28	67	65	64		"	"	1		
8			NW	N	2		30.28	67	68	64		"	"	1		
9			W	"	3		30.30	67	66	66		"	"	6		
10			SSE	"	2		30.30	67	67	66		bc	"	6		
11			NE by E	N by E	1		30.30	67	67	66		"	"	8		
Noon.			"	"	1		30.30	67	67	66		"	"	8		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water			2600 "
during the preceding 24 hours			3000 "
Water remaining on hand fit for me at Noon			
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	South	S by W	3	30.25	67	68	67	bc	Cir Cum Nimb	7	S	
2	"	"		30.22	68	68	67	"	"	5	"	
3	"	"		30.21	68	68	67	"	"	2	"	
4	"	"		30.20	68	68	68	"	"	2	"	
5	"	"		30.20	68	68	68	"	"	4	"	
6	"	"		30.20	67	67	66	"	"	6	"	
7	"	"		30.20	67	67	66	"	"	6	"	
8	"	"		30.20	67	67	66	"	"	6	"	
9	"	"		30.20	67	67	66	"	"	0	"	
10	"	"		30.20	67	67	66	"	"	5	"	
11	"	"		30.20	67	67	66	"	"	4	"	
Mid.	"	"		30.20	67	67	66	"	"	2	"	

Longitude by Chronometer from Afternoon Observations	Longitude by Chronometer Observations	Variation of the Compass by Amplitude	Variation of the Compass by
0	*	observed at Sunset	at

under the command of Commander W. Scott Schley, U. S. Navy.
Friday August 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Calm Bar[ometer] steady. Long swell from S. and E. swung to ebb at 2.30.

Signed C. B. T. Moore

From 4 to 8 A.M. Cloudy. Misty. Pleasant. Calm and light airs from N. and N.N.W. Ebb tide. At 7.30 Flag Ship made general signal 3351. Received fresh provisions for crew. Received 2600 gals fresh water.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Warm. Light N[ortherly] breeze. Cir. Cum Nimb clouds. At 8.45 made interrog[atory] 5455. Flag Ship answered 904. At 9 loosed sail to day. At 9.30 exercised at fire quarters. At 10.15 swung to flood. English str [steamer] (P.S.N.C.) left harbor. At work on new awnings.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy. Pleasant. Gentle breeze from S. by W. Flood tide. At 3.25 made interrog. 4826. Flag Ship answered 904. At 3.30 Flag Ship made general signal 2984. At 12.15 by order of Comdr. Chief Eng. P.A. Rearick was suspended from duty for intoxication to await action of Comdr. in Chief.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy. Pleasant Moderate sea breeze from S. by W. Cir. Cum Merid clouds. Swung to ebb at 5.15. By order of Comdr. Frank Stailer (O.S.) was placed in double irons for attempting to smuggle liquor in boat. Slack water at 7.15.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy. Pleasant. Cool. Light breeze to light airs from W.S.W. and W.N.W. Flood tide.

Signed C. K. Curtis
Lieut

Moon's phase 3rd qr. Dec. N. 8 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			S by W	NW	2		30.24	65	67	67		bc	Cir Cum Nimb	2	S	
2			S by W	WNW	2		30.24	65	67	67		"	"	1		
3			NW by S	"	2		30.22	65	67	67		"	"	3		
4			WSW	"	2		30.22	65	66	66		od	"	0		
5			NNW	W	2		30.22	65	64	64		bc	"	2		
6			N by W	"	1		30.22	65	65	65		op	"	0		
7			NNW	WNW	2		30.22	65	64	64		bcl	"	1		
8			"	"	2		30.24	65	64	64		bc	"	1		
9			WSW	SW	4		30.26	66	66	65		bcq	"	3		
10			SSW	"	4		30.31	67	67	66		"	"	4		
11			"	"	3-6		30.31	67	68	67		"	"	5		
Noon.			"	SW by S	3-6		30.32	67	68	67		"	"	4		
Distance run by Log since preceding Noon										knots	fathoms.					
Latitude by D. R. at Noon										o	'	"				
Longitude by D. R. at Noon										o	'	"				
Latitude by Observations at Noon ⊕										o	'	"				
Longitude by Chronometer from Forenoon Observations ⊕										o	'	"				
Current during the time										knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	'	"				
Variation of the Compass by Azimuth ⊕ observed at										o	'	"				
Water expended during the preceding 24 hours										300 gallons.						
Water										during the preceding 24 hours						
Water remaining on hand fit for me at Noon										2700 "						
Coal consumed during the preceding 24 hours										tons	lbs.					
Coal remaining on hand at Noon										"	"					
P.M.																
1			S by W	SW	3-5		30.32	67	68	67		bcq	"	5	S	
2			SW	WSW	3-6		30.32	68	69	68		"	"	6		
3			"	SSW	2-5		30.32	68	69	68		"	"	6		
4			"	SW	2-5		30.30	69	69	67		"	"	8		
5			SW by W	"	2-4		30.30	68	67	65		"	"	6		
6			NW	"	2		30.32	68	67	65		"	"	8		
7			NNW	WSW	2		30.32	68	67	65		"	"	9		
8			"	"	1		30.34	68	66	65		"	"	9		
9			West	"	1		30.34	66	66	65		"	"	9		
10			SW by S	"	2		30.34	64	66	65		"	"	3		
11			SW	"	2		30.34	64	66	65		"	"	1		
Mid.			"	"	2		30.34	64	66	66		"	"	1		
Longitude by Chronometer from Afternoon Observations ⊕										o	'	"				
Longitude by Chronometer Observations										*	o	'	"			
Variation of the Compass by Amplitude										observed at Sunset						
Variation of the Compass by										at	o	'	"			

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Light land breeze from W.N.W. Obscured moonlight
Swung to ebb at 1. Drizzling rain last half of watch.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy and cool. Frequent passing showers. Light airs to light breeze from W.
to W.N.W. At 7.30 Flag Ship made general sig[nal] 3351. Ebb tide

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy. Pleasant. Light to fresh breeze from S.W. and S.W. by S.
blowing in squalls. Swung to flood at 10.30. By order of Comdr. F. C. Jones (O.S.) was released
from confinement and John Hall (O.S.2c) was released from confinement in irons and made a
prisoner at large to await action of Comdr in Chief on sentence of summary Court Martial.
Enlisted Gilbert Leeds Lds for the cruise of Essex from 11th instant inclusive. Gilbert Leeds (Lds)
rated (W.A.S.) from 12th instant inclusive. Lieut J. K. Cogswell left the ship on leave of absence

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy and pleasant. Squally. Gentle to stiff breeze varying in direction
from W.S.W. to S.S.W. Flood tide.

Signed L. P. Jerrett
Lieut

From 4 to 8 P.M. Clear. Cool and pleasant. Light breeze to light airs from S.W. and W.S.W.
Swung to flood at 5.45.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Cloudy. Cool. Disagreeable. Passing showers of rain. Light airs to light
breeze from W.S.W. Swung to flood at 9.30. Moon rose at 10. Ship rolling easily.

Signed L. P. Jerrett
Master

Moon's phase 3rd qr. Dec. N. 13°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW by S	NW	0-1		30.34	65	65	64		bc	Cum Nimb	4		S
2			"	"	1		30.34	65	65	64		"	"	6		
3			S by W	WNW	0-1		30.34	65	65	64		"	"	3		
4			SW	NW	1		30.34	65	65	64		"	"	2		
5			NW by N	"	1		30.30	63	64	64		"	"	2		
6			"	"	1		30.31	64	62	62		"	"	1		
7			NNW	"	1		30.33	63	61	61		or	"	0		
8			"	"	1		30.35	64	63	63		bcp	"	3		
9			"	NNW	1		30.36	65	64	64		bc	"	6		
10			SW	E	0-1		30.38	66	65	65		"	"	7		
11			S by E	NE	2		30.38	66	67	66		"	"	4		
Noon.			"	Calm	0		30.35	66	68	67		"	"	4		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2400 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S	Calm	0	30.33	67	69	68	bc	Cir Cum	5	S
2	S by E	SE	1-2	30.31	67	69	68	"	"	7	
3	"	"	1-2	30.30	67	70	69	"	"	6	
4	S	"	1-2	30.30	68	70	69	"	"	9	
5	"	S	2	30.28	69	70	69	"	"	9	
6	"	SSW	2	30.28	67	68	67	"	"	10	
7	S by W	SW	3	30.28	67	68	67	"	"	10	
8	NW	S	2	30.28	60	68	67	"	"	10	
9	NNW	SE	2	30.28	67	67	67	"	"	10	
10	S by W	"	2	30.26	67	67	67	"	"	10	
11	S	"	1-2	30.26	67	67	67	"	"	10	
Mid.	S by W	NE	6	30.26	67	67	67	"	"	10	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday August 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Bright moonlight. Light airs from N.W. and W.N.W. Flood tide.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Weather cloudy. Rainy during portion of watch Light airs from N.W. Bar[ometer] rising. Sea smooth. At 7.30 Flag Ship made general sig[nal] 3350.

Signed Saml C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy and pleasant. Light variable airs. Calm last hour. At 10 Comdg. Officer inspected ship and crew at quarters. Afterwards read prayers. John Magee (2cT) M. F. O'Donnell (P.M.) Geo. L Arlans (P.M.) and J. V. Marion (O.S.2c) absent from the ship without permission. By order of Comdr. T. Hunter (O.S.) was released from confinement. L. W. Hellen (O.S.) ran from the whale boat while on duty. Swung to flood at 10.30

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Partially cloudy. Pleasant. Calm first hour. Light sea breeze remainder of watch. Bar. falling. Sea smooth. Sent visiting party to Harford and [unreadable] Italian steamer came in from S.

Signed Sam. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy and pleasant. Light to gentle breeze from S. to S.W. Flag Ship made general signal 2985. James V. Marion (OS.2c) returned on board 9 1/2 hours overtime. Ship rolling easily Ship swung to ebb at 3.15.

Signed L. P. Jerrett
Lieut

From 8 P.M. to Mid. Clear and Damp. Wind light from S. first half from N.E. last half of watch. Bar. falling slowly. Sea smooth. Swung to flood at 9.15. Moon rose at 10.45. L.W. Hellen (OS) returned on board.

Signed Saml. C. Lemly
Ensign

Moons phase 3rd qr. Dec. N. 17 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			SW	Calm	0		30.26	67	65	65		bcm	None	10	S	
2			"	NNE	0-1		30.26	67	65	64		"	"			
3			S	"	0-1		30.25	66	65	64		"	"			
4			SSE	"	0-1		30.23	65	65	64		"	"			
5			"	"	0-1		30.23	65	65	64		"	"			
6			N by W	"	1		30.23	65	64	64		"	"			
7			NNW	NNW	1		30.25	65	64	64		"	"			
8			"	"	1		30.25	65	65	62		"	"			
9			"	"	1		30.24	64	63	63		"	"			
10			W	"	1		30.25	65	65	65		"	"			
11			S	"	0-1		30.24	65	65	65		"	"			
Noon.			"	"	1		30.23	66	64	66		"	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons.
Water		"
Water remaining on hand fit for me at Noon		2000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			SSE	SE	3		30.20	67	68	67		bc	Cir Cum	8	S	
2			S	SSE	3		30.17	68	69	67		"	Nimb	9		
3			S by E	S	3		30.16	69	70	67		"	"	8		
4			"	S	4		30.16	69	70	68		"	"	8		
5			S	SE	2-3		30.16	70	71	69		"	"	8		
6			"	"	2-3		30.16	70	71	70		"	"	8		
7			SE	S	2		30.15	70	70	69		"	"	9		
8			N by W	"	0-1		30.15	70	70	69		"	"	9		
9			N	NE	1		30.17	70	70	69		"	"	9		
10			"	"	0-1		30.17	69	70	69		"	"	9		
11			S	Calm	0		30.17	69	69	69		"	"	9		
Mid.			"	"	0		30.17	69	69	69		"	"	9		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday August 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Calm first hour. Light airs rest of watch from N.N.E. Flood tide. Ship rolling easily.

Signed L. P. Jerrett
Master.

From 4 to 8 A.M. Cloudy. Damp. Light airs from N.N.E. shifting to N.N.W. At 5.30 swung to ebb. At 7.30 Flag Ship made general signal 3351. Large Italian steamer left the harbor. Receiving in Pay. Dept. fresh provisions for crew.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy and misty first part. Clear and pleasant latter part. Light airs from N.N.W. Barometer falling slowly. Sea smooth. At 9 made interrogatory sig[nal] 5455. Flag Ship ans[wered] 904 Ans and loosed sail. At 9.15 exercised at general quarters. Time of casting loose Eng. Div. 30 s[econds]. Marines 35 sec. Nav. 35 sec. Pdr [Powder] 2 m[inutes] 30 sec. 2nd Div. 3 minutes. 1st Div. 4 m 30 sec. Secured in 3 m 30 sec. By order of Comdr L. W. Hellen (O.S.) was placed in solitary confinement on bread and water for jumping from boat and Herman Meyer (OS.2c) was placed in double irons to await trial by Court Martial for smuggling liquor. The following punishments were awarded T. G. Roberts (O.S) 2 hrs extra duty and Elison Parker (Lds) 1 extra watch. P.S.N.C. Steamer left the harbor. Swung to flood at 10.30. Received in Equip Dept 120 fms [fathoms] 3 inch manila

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Pleasant. Moderate sea breeze from S. At 3.25 Flag Ship made general signal 2984. Answered. At 3.50 made interrog[atory] signal 4826. Flag Ship answered 904. Furled sail. Riding to flood.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Wind light from S. and S.E. Bar. falling slowly. Sea smooth. Swung to ebb at 7.30. At 5.50 Flag Ship made prep sig. 5040. Ans[wered]. Sundown mustered at quarters and served out clean hammocks. An American bark came in and anchored.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Damp. Light N.E. airs first part. Calm latter part of watch. Cir Cum clouds. At 10.30 swung to flood.

Signed C. G. T. Moore
Ensign

Moons phase 3rd qr. Dec. N. 21°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height Dry inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			W by N	WNW	1	30.18	68	69	68		bc	Cum Nimb	9	S	
2			NNW	"	1	30.13	67	68	68		"	"	9		
3			NW	"	1	30.13	67	68	67		"	"	9		
4			W	Calm	0	30.15	67	68	67		"	"	9		
5			SE by S	NE	1	30.15	65	68	67		"	"	7		
6			NE	NNE	2	30.15	66	65	65		bcm	"	2		
7			N by E	"	1	30.15	65	65	65		"	"	3		
8			NW	NNW	1	30.15	65	63	65		"	"	1		
9			"	NW by N	2	30.18	65	64	64		S	"	1		
10			NE	NNW	2	30.18	66	66	66		bcp	"	4		
11			"	N by W	3	30.20	66	67	66		"	"	6		
Noon.			S	"	3	30.20	66	67	66		"	"	8		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NE by N	Calm	0	30.15	68	69	68	bc	Cum	8	S
2	SE by S	SSE	3	30.14	68	70	68	"	"	9	
3	S	S	3	30.13	70	72	70	"	"	9	
4	"	"	3	30.12	71	72	71	"	"	9	
5	"	"	3	30.12	72	72	71	"	"	9	
6	S by W	"	3	30.10	71	72	71	"	"	9	
7	SW	"	2	30.10	71	72	71	"	"	9	
8	N	Calm	0	30.10	71	72	71	"	"	9	
9	N	ENE	1	30.10	71	72	71	"	"	9	
10	N by W	N	1	30.15	71	71	71	"	"	9	
11	SSW	NW	1	30.15	70	71	70	"	"	9	
Mid.	SSE	"	1	30.15	70	71	70	"	"	9	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	*	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday August 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool Wind light from W.N.W. Calm last hour.
Bar[ometer] falling. Sea smooth. Ebb tide Bright moonlight

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and foggy. Wind light from N.N.E. and N.N.W. Swung to ebb at 6.15.
At 7.30 Flag Ship made general signal 3351. At 7.45 French Gunboat "Bniat" came in and
anchored Received fresh provisions for crew.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Foggy and damp first half. Clear last two hours. Light airs from N.N.W. to
moderate breeze from N.W. At 9.15 mustered at quarters after which exercised Companys A
and B at small arms. Riding to the ebb.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear. Hazy. Calm last hour. Gentle breeze from S.S.E. and S. remainder
of watch. Flood tide By order of Comdr. John W. Powers (Sea) and Wm. G. Norwood (Sea)
were rated Cpts Tops from August 1st 1878. Received in Equip Dept 200 yds cotton canvas
No. 4, 400 yds No. 6 cotton canvas, 14 lbs beeswax and 18 lbs cotton twine and 4 [unreadable].
In Construction Dept. 12 lbs 6^d iron cut nails, 15 lbs 6^d cut nails, 20 lbs 10^d cut nails.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Calm. Hazy. Light sea breeze from S. Cum clouds. At 5.15 Flag Ship made
general signal 3918. At 5.25 she made general signal 2985. At sunset went to quarters and
turned in clean hammocks. Comdg. Officer of French Gunboat "Bniat" called on Comdg. Officer
At 7.30 swung to ebb.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear. Hazy. Light variable airs. Swung to flood at 11.15 At 10 released L.
W. Hellen (OS) from confinement.

Signed J. K. Cogswell
Lieut

Moons phase 3rd qr. Dec. N. 25°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			N	North	1		30.69	70	69		bcm	Cum Nimb	9	S	
2			N by W	"	1		30.69	67	68		"	"	9		
3			"	"	1		30.69	67	68		"	"	9		
4			"	"	1		30.68	67	67		"	"	9		
5			SSW	"	1		30.68	69	68		"	"	9		
6			SW	"	1		30.68	68	68		"	"	3		
7			W by N	NW	1		30.67	67	67		oz	"	0		
8			NNW	"	1		30.66	65	65		"	"	0		
9			N by W	NNW	1		30.66	65	65		p	"	0		
10			NNW	"	1		30.66	67	67		"	"	4		
11			NW by N	N	1		30.65	68	69		bcp	"	3		
Noon.			SSW	"	1		30.65	69	69		"	"	6		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1350 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	N	North	1	30.12	70	70	70	bcm	"	7	S
2	"	Calm	0	30.12	70	72	71	"	"	8	"
3	N by W	SE	0	30.10	73	74	73	"	"	8	"
4	"	SSE	1	30.10	73	74	73	"	"	8	"
5	SSW	SSW	2	30.07	73	75	73	"	"	8	"
6	S by W	"	2	30.06	73	74	73	"	"	8	"
7	S	South	3	30.07	73	74	73	"	"	7	"
8	SE by S	"	1	30.08	73	73	72	"	"	8	"
9	N	Calm	0	30.10	72	72	72	"	"	9	"
10	NNW	"	0	30.10	72	72	71	"	none	10	"
11	"	"	0	30.10	72	72	71	"	"	10	"
Mid.	SSW	WNW	1	30.10	72	72	71	"	"	10	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday August 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Damp. Light sea breeze from N. Cir Cum clouds.
Moon rose at 12.10. Riding to ebb.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear first half of watch. Cloudy and overcast rest of watch. Foggy Light airs
from N. and N.W. Swung to flood at 5 and to ebb at 6.30.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy and foggy. Light airs from N.N.W. and N. Ebb tide slack water at
11.15. At 8.30 Flag Ship made general signal 3351. Answered. At 9 mustered at quarters.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Clear and pleasant. Misty around horizon. Light airs from N. first hour
afterwards calm. Sea breeze at 3.30 At 2.30 Called all hands to muster. John Hall Jr. was
brought to the mast and findings and sentence of Summary Court Martial were read in his case.
Guilty Sentence deprivation of liberty on shore on foreign station for one year and extra duty for
six months. Above were remitted by Comdg. Officer to the following to be deprived of liberty on
foreign station for six months and extra duty for three months. The proceeding findings and
sentence were approved by E. T. Nichols Rear Admiral Comdg U.S. Naval Forces of S. A.
Station the sentence as [unreadable] was carried into execution. Herman Meyer (O.S.2c) was
furnished with a copy and specification of charges preferred against him. Flag Ship made
general signal 2985. Swung to ebb at 2.45.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear. Misty. Pleasant. Gentle breeze to light airs from S.S.W. and S. Swung
to flood at 4.30.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Clear and pleasant. Misty around horizon. Damp. Calm first three hours.
Light airs last hour from W.N.W. Swung to flood at 8.30 and to ebb at 11.15.

Signed C. K. Curtis
Lieut

Moons phase last qr. Dec. N. 27 °

Examined and found to be correct

Signed Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		SE by S	NNW	1	30.10	71	72	71		bcm	Cum	9	S			
2		N by W	"	0-1	30.10	71	72	71		"	"	9				
3		"	Calm	0-1	30.10	70	71	70		"	"	9				
4		"	NNE	1	30.10	71	71	70		"	"	7				
5		NNW	WNW	1	30.09	69	68	68		"	"	7				
6		S	"	1	30.10	68	68	68		"	"	7				
7		"	"	0-1	30.12	67	67	67		"	"	7				
8		SW	"	1	30.13	67	67	67		"	"	5				
9		N	North	1	30.13	67	68	67		"	"	5				
10		"	"	1	30.15	68	68	68		"	"	3				
11		"	"	1	30.15	68	70	70		"	"	6				
Noon.		NNE	NNE	1	30.15	68	71	70		"	"	7				

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for me at Noon			1000 "
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.											
1	NW	S by W	1	30.10	71	73	72	bcm	Cum	8	S
2	E by N	"	1	30.07	71	73	72	"	"	8	
3	"	"	2	30.06	71	73	72	"	"	8	
4	North	"	1	30.06	71	73	72	"	"	8	
5	SSW	SSW	1	30.06	71	73	72	"	"	8	
6	"	"	1	30.06	72	73	72	"	"	8	
7	South	"	2	30.07	72	73	71	"	"	8	
8	SSW	"	2	30.07	72	73	71	"	"	8	
9	SW	"	1-2	30.07	72	73	71	"	"	7	
10	NNW	N	0-1	30.07	71	72	70	"	"	7	
11	N by E	"	1-2	30.07	71	71	70	"	"	7	
Mid.	NE	"	1-2	30.07	71	71	70	"	"	6	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday August 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Misty. Calm and light airs from N.N.W. and N.N.E. Swung to ebb at 2.45.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Misty around horizon. Light airs from W.N.W. Bar[ometer] rising Sea smooth. Swung to flood at 5.30. At 7.30 Flag Ship made general signal 3351. Answered. Received in Equipt. Dept. 1 spare anchor and stock (1900 lbs)

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy but pleasant. Hazy. Light airs from N. and N.N.E. At 9.15 inspected at quarters. Exercised Companies A & B at single sticks. Tide turned ebb at 8.45.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Misty. Wind light from S. by E. Barometer falling. Sea smooth. Ebb tide. Received in Construction Dept. 12 ash oars.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Clear and pleasant. Light airs to light breeze from S.S.W. At 5.30 Flag Ship made general signal 2985. Ans[wered] Swung to ebb at 5.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Weather clear and damp. Misty. Wind light from S.S.W. and N. Bar. steady. Sea smooth. Swung to ebb at 10.15.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec. N. 27 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW	N	1	30.07	70	72	69		bcm	Cum	9	S		
2			N	"	1	30.06	70	78	69		"	"	9	"		
3			N by W	"	2	30.06	70	69	68		"	"	9	"		
4			NNW	NW	2	30.06	70	67	67		"	"	9	"		
5			"	N	1	30.09	70	67	67		"	"	9	"		
6			"	"	1	30.09	67	67	67		"	"	9	"		
7			S by W	"	3	30.09	67	67	67		P	"	8	"		
8			"	"	3	30.12	67	67	67		"	"	8	"		
9			W	"	2-3	30.13	67	67	68		bcm	"	9	"		
10			NW	"	2-3	30.14	68	70	68		"	"	9	"		
11			N by W	"	2	30.13	70	71	70		"	"	9	"		
Noon.			NE	"	1-2	30.10	71	73	71		"	"	9	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			600 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N	NE	2	30.08	73	75	74	bcm	"	4	S
2	N by E	"	2	30.05	73	76	75	"	"	5	"
3	N	"	0-1	30.03	74	77	76	"	"	5	"
4	"	"	0-1	30.03	75	78	77	"	"	5	"
5	NNW	"	0-1	30.03	75	80	77	"	"	7	"
6	SW	"	0-1	30.03	75	80	78	"	"	8	"
7	"	"	0-1	30.03	76	77	76	"	"	8	"
8	S	"	0-1	30.05	75	77	76	"	"	8	"
9	SSW	Calm	0	30.05	75	76	75	"	"	9	"
10	W	"	0	30.07	74	76	74	"	"	9	"
11	"	"	0	30.07	73	75	74	"	"	9	"
Mid.	N	"	0	30.07	73	74	73	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday August 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Damp. Misty around horizon. Light airs to light breeze from N. to N.W. Ebb tide.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Foggy. Light damp breeze from N. At 7 swung to flood. At 7.30 Flag Ship made general signal 3351. Received in Pay. Dept. fresh provisions for crew. In Equip. Dept. 10 lbs bellows leather.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear. Warm. Misty around horizon Bar[ometer] falling. Sea smooth Ebb tide. At 9 exercised at fire quarters. Time as follows 1st Div. 25, 2nd Div. 40 sec[onds], Pdr [Powder] 35 sec, Nav. 35 sec, Marines 30 sec. Secured in 1 m[inute] 30 sec. At 10 Summary Court Martial of which Lieut C. K. Curtis was senior officer and Master L. P. Jerrett and Ens. S. C. Lemly U.S.N. were members convened for the trial of Herman Meyer (O.S.2c) on charges preferred by Comdr W. S. Schley U.S.N. At work on new poop awning. At 11.45 Court took a recess until 1 P.M.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear. Warm. Light airs from N.E. Cir. Cum clouds. Summary Court met at 1. At 2.30 Summary Court adjourned to await action of revising authority. Received on board from U.S.S. "Hartford" George Boyce (Seargt. Mar). At 3.25 Flag Ship made general signal 2984. Riding to ebb. Men at work on new awnings.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Pleasant. Light airs from N.E. Barometer rising slowly. Sea smooth. Swung to flood at 5.30. At 5 called all boats away and exercised at boat drill.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Damp. Calm. Cir. Cum clouds. At 11.10 swung to ebb.

Signed Sam. C. Lemly
Ensign

Moons phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW by N	NW	0-1	30.00	73	73	72		bc	Cir Cum	8	S		
2			NNW	"	0-1	30.05	73	73	72		"	"	8	"		
3			"	"	0-1	30.04	72	72	71		"	"	8	"		
4			"	"	0-1	30.04	72	72	71		"	"	8	"		
5			N by W	SE	0-1	30.04	71	72	71		"	"	7	"		
6			NW by W	NNE	1	30.07	71	72	71		"	"	8	"		
7			SSE	"	0-1	30.10	70	72	71		"	"	6	"		
8			S by E	"	0-1	30.10	71	72	72	bcm	"	"	0	"		
9			S	"	0-1	30.15	71	72	72	"	"	"	6	"		
10			SE by S	Calm	0	30.18	72	72	72	"	"	"	6	"		
11			SE	"	0	30.18	72	72	72	"	"	"	6	"		
Noon.			ENE	"	0	30.16	72	70	72	"	"	"	6	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	2730 "
Water remaining on hand fit for me at Noon			2658 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by E	NE	0-1	30.15	73	75	74	"	"	5	S
2	W	SSW	2-4	30.13	73	76	73	"	"	4	"
3	NNW	S by W	4	30.13	73	75	73	"	"	3	"
4	NW by W	SSW	3	30.13	73	75	73	"	"	3	"
5	NNW	"	3	30.15	73	74	73	"	"	4	"
6	SSW	"	3	30.15	72	73	71	"	"	3	"
7	"	"	3	30.15	73	73	71	"	"	4	"
8	S by E	"	3	30.17	73	73	71	"	"	7	"
9	SSE	NNE	1	30.17	73	74	72	"	"	4	"
10	S	Calm	0	30.17	73	74	72	"	"	3	"
11	"	"	0	30.18	73	74	72	"	"	3	"
Mid.	SW	"	0	30.18	73	74	72	"	"	2	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Damp. Light airs from N.W. Bar[ometer] falling Sea smooth.
Ebb tide.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Sky clear. Misty. Slight airs from S.E. and N.N.E. Swung to flood at 6.40. At
7.30 Flag Ship made general signal 3351. Ans[wered].

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Hazy. Warm. Cir. Cum clouds. At 9.40 Flag Ship made signal to
Essex 3094. Received on board 2730 gals fresh water. Bar. coat for 3 lbs cases tacks 2 rules
10 gals shellac. By order of Comdr. John Kirk, Michl. Wogen, James Gillespie, W. E.
Huggenbottom and Jns. W. Scott (O.S.) rated seaman from the 1st instant inclusive Riding
across the harbor. Sent liberty party on shore until 7 A.M. to-morrow.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Misty. Pleasant. Light airs from N.E. first our. Light to moderate
breeze from S.S.W. remainder of watch. Ebb tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Hazy. Warm. Gentle sea breeze blowing in gusts from
S.S.W. At 5.30 swung to flood.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Misty Pleasant. Light airs from N.N.E. first hour. Calm remainder of
watch. Flood tide.

Signed C. B. T. Moore
Ensign

Moons phase last qr. Dec. N.24 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			N by E	Calm	0		30.20	73	73	72		bcm	Cir Cum	8		S
2			N	"	0		30.20	73	73	72	"	"	8	"		
3			"	"	0		30.20	72	72	71	"	"	3	"		
4			NNW	"	0		30.20	72	72	71	"	"	2	"		
5			"	N	0-1		30.20	72	72	71	om	"	0	"		
6			"	"	0-1		30.20	72	72	71	"	"	0	"		
7			SW	Calm	0-1		30.20	71	72	71	"	"	0	"		
8			S	N	1		30.20	71	72	71	o	"	0	"		
9			S by E	NE	1		30.20	71	72	72	bcm	"	2	"		
10			S	NNW	0-1		30.20	72	73	72	"	"	3	"		
11			SSW	"	0-1		30.15	72	73	72	"	"	2	"		
Noon.			WNW	Calm	0		30.15	72	73	72	"	"	1	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2350 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SW	SSE	4-6	30.06	73	75	74	om	"	0	S
2	S	"	6	30.03	73	74	73	"	"	0	"
3	W	S by E	6	30.03	72	74	73	bcm	"	2	"
4	NW by N	"	6	30.02	72	74	73	"	"	2	"
5	NW by W	SSW	5	30.02	71	74	72	"	"	4	"
6	SSW	"	5	30.02	71	72	71	"	"	6	"
7	"	"	4	30.05	72	72	71	"	"	5	"
8	S by W	"	3	30.05	72	72	71	"	"	6	"
9	S	"	4	30.08	72	72	71	"	"	3	"
10	SSW	WSW	2	30.08	72	72	71	"	"	3	"
11	"	"	1	30.08	72	72	71	o	"	0	"
Mid.	SW	"	1	30.08	71	71	70	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday August 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part. Cloudy latter part. Calm. Damp Swung to ebb at 12.30.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Misty. Damp Light airs from N. and calms. At 7.30 Flag Ship made signal 3350. Swung to flood at 7.30.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy. Misty. Light airs from N.E. and N.N.W. Calm last hour. Flood tide. Slack water at 11. At 9.40 had divisional inspection. At 10 Comdg. Officer inspected ship and crew at quarters. Afterwards read prayers. Sent liberty party on shore.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Pleasant. Hazy. Sea breeze set in at 12.40. Blowing fresh breeze Swung to flood at 2 and to ebb at 3.50.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy. Misty. Damp. Stiff to gentle breeze from S.S.W. Swung to flood at 5.20. At 5.15 Flag Ship made general signal 2985. Answered.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Overcast. Misty. Damp. Light airs to light breeze from W.S.W. Flood tide.

Signed J. K. Cogswell
Lieut

Moon's phase last qr. Dec. N. 20 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NNW	NW	0-1	30.06	72	73	72		om	Cir Cum Nimb	0	S		
2			N	NNW	1	30.06	72	73	72		"	"	0	"		
3			N by W	N	2	30.02	72	72	71		"	"	0	"		
4			"	"	1	30.00	72	71	71		"	"	0	"		
5			NNW	"	0-1	30.00	72	71	71		"	"	0	"		
6			NW	NNE	0-1	30.00	72	71	71		"	"	0	"		
7			"	"	1	30.03	72	71	71		"	"	0	"		
8			South	"	1	30.03	72	71	71		"	"	0	"		
9			S by W	Calm	0	30.04	72	72	71		"	"	0	"		
10			SSE	NNW	0-1	30.05	71	73	72		"	"	0	"		
11			"	Calm	0	30.05	71	73	72		"	"	0	"		
Noon.			"	"	0	30.05	71	73	72		"	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		2000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	SW	SW	1-2	30.05	72	74	72	om	Cum Nimb	0	S
2	WNW	"	2-3	30.05	72	74	72	"	"	0	"
3	NW	"	3	30.05	72	72	71	"	"	0	"
4	West	"	3	30.05	71	73	71	"	"	0	"
5	NNW	WSW	3-5	30.05	71	71	70	"	"	0	"
6	"	SSW	5-7	30.09	71	71	70	omq	"	0	"
7	WSW	SW	3	30.11	71	71	69	"	"	0	"
8	WNW	"	0-1	30.11	71	70	69	om	"	0	"
9	S	"	1-2	30.14	71	70	70	"	"	0	"
10	SSW	WNW	1-2	30.14	70	71	70	"	"	0	"
11	SW	"	1-2	30.16	70	71	70	"	"	0	"
Mid.	"	"	1-2	30.16	68	70	70	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Monday August 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Misty. Occasional light passing showers. Light airs to light breeze from N.W. to N Ebb tide. Barometer falling

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Misty Light airs from N.N.E. At 7.30 Flag Ship made general signal 3351. Answered.

Signed C. K. Curtis
Lieutenant

From 8 A. M. to Merid. Overcast. Misty. Damp. Calm and light airs from N.N.E. At 9.15 exercised at general quarters. Time of casting loose as follows. Eng. Div. 35 sec[onds], Nav. 1 m[inute], Surgeon's 1 m 50 sec, Pdr [Powder] 2 m 10, 2nd Div. 2 m 40 sec, 1st Div. 2 m 50 sec. Secured in 3 m 45 sec. Transferred Seargt. [Sergeant] Louis Zechman (M.C.) Frank Hunter (O.S.) and Jas. Smith (Lds E.2) with their accounts and descriptive list to U.S.S. "Guard" for transportation home. At work on poop awning.

Signed J. K. Cogswell
Lieutenant

From Merid. to 4 P.M. Weather cloudy but pleasant. Wind light to gentle from S.W. Barometer steady. Sea smooth. Swung to ebb at 1.30. ~~Su~~ At 2.50 Flag Ship made general signal 2084. Answered

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast. Misty. Light airs to very fresh breeze from S.S. W. to S.W. Swung to ebb at 5.30. Squally.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy but pleasant. Wind light from S.W. to W.N.W. Barometer rising Sea smooth. Flood tide.

Signed C. K. Curtis
Lieut

Moons phase last qr. Dec. N. 15°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			W by N	WNW	2		30.16	70	69	68		om	Cum Nimb	0		S
2			NNW	"	2		30.16	70	69	68		"	"	0		"
3			N by W	NW	2		30.16	70	69	68		"	"	0		"
4			N	W	1		30.16	70	69	68		omc	"	0		"
5			"	NW	1		30.13	70	69	68		"	"	0		"
6			NNW	"	1		30.13	70	69	68		om	"	0		"
7			"	"	2		30.13	69	69	68		"	"	0		"
8			NW by W	"	2		30.13	69	68	68		"	"	0	"	
9			WSW	"	1-2		30.19	69	68	67		"	"	0	"	
10			SW	"	2		30.22	67	68	67		"	"	0	"	
11			SW by S	"	2-3		30.22	67	68	67		"	"	0	"	
Noon.			SSW	"	2-3		30.22	67	68	67		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1700 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	WSW	NNW	2	30.20	67	68	67	od	"	0	S
2	N by W	"	3	30.18	67	68	67	om	"	0	
3	NW	NW	3	30.17	67	68	67	"	"	0	
4	NNW	"	2-3	30.18	67	68	67	"	"	0	
5	N by W	"	2-3	30.18	67	68	67	"	"	0	
6	NW	"	2-3	30.18	67	68	67	"	"	0	
7	WNW	"	2-3	30.18	67	67	67	"	"	0	
8	NNW	"	2-3	30.20	67	66	66	"	"	0	
9	NW	"	2	30.24	67	66	66	"	"	0	
10	SW	W	3	30.25	67	66	66	od	"	0	
11	S by W	"	3-4	30.25	67	67	66	"	"	0	
Mid.	"	"	3-4	30.25	67	67	66	"	"	0	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday August 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Misty. Raining during latter part of watch. Light breeze from N.W. to W. Swung to ebb at 1.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Overcast. Misty. Passing showers first hour. Light N.W. breeze. Cir Cum clouds. U.S.S. Guard got underway and stood out to sea. At 7.30 Flag Ship made general signal 3351.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Weather cloudy and threatening. Passing showers first hour. Wind light to gentle from N.W. Barometer rising. Sea smooth. Flood tide. At 9.15 inspected at quarters. Exercised 1st Div at great guns. By order of Comdr. F. H. P. Forrest (A.S.) was placed in single irons for disrespect to Officer [of the] deck. Geo. W. King (W.O.C.) was given an extra watch for neglect of duty.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Misty. Cool. Light land breeze from N. Cum Nimb clouds. At 2 swung to ebb. A board of survey composed of Lieut. Black, Wood and Lay met on board and surveyed the following articles. 1 ensign 1 pr. Binocular glasses and 1 mast pennant. Chief Eng. P. A. Rearick was restored to duty by order of Comdr.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Weather overcast and disagreeable. Wind light to gentle from N.W. Bar[ometer] rising. Sea smooth. Ebb tide.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Drizzling rain. Gentle to moderate W[esterly] wind blowing in puffs. At 10 swung to flood.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec. N. 9°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW	W	2-3		30.25	67	67	66		od	Cum Nimb	0		S
2			W	"	2-3		30.25	67	65	65		om	"	0		"
3			WNW	"	2		30.24	66	64	64		"	"	0		"
4			"	"	2		30.25	66	65	65		"	"	0		"
5			N by W	NW	2		30.25	66	65	65		"	"	0		"
6			NW by N	WNW	3		30.25	66	64	64		"	"	0		"
7			NW	"	2		30.25	66	64	64		"	"	0		"
8			WNW	"	1		30.28	66	64	64		"	"	0	"	
9			N	"	2		30.32	66	64	64		or	"	0	"	
10			S	"	0-1		30.32	65	65	65		"	"	0	"	
11			"	"	0-1		30.35	65	65	65		"	"	0	"	
Noon.			SSW	"	1		30.35	65	65	66		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	"
Longitude by D. R. at Noon	°	"
Latitude by Observations at Noon ☉	°	"
Longitude by Chronometer from Forenoon Observations ☉	°	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"
Variation of the Compass by Azimuth ☉ observed at	°	"
Water expended during the preceding 24 hours		300 gallons.
Water		"
Water remaining on hand fit for me at Noon		1700
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	S by W	SW	2-3	30.35	65	65	66	bcpq	"	1	S
2	W by S	WNW	3	30.33	67	68	67	bc	"	2	"
3	W by N	SW	3	30.33	66	68	67	"	"	3	"
4	NNW	"		30.33	67	69	68	"	"	2	"
5	"	"		30.33	67	68	67	"	"	4	"
6	"	"		30.34	67	66	65	"	"	3	"
7	N by W	WSW	1-2	30.35	67	66	66	"	"	3	"
8	NNW	W by N	0-1	30.35	67	66	66	"	"	8	"
9	W by N	W	1	30.40	67	66	66	"	"	6	"
10	WSW	NNW	3	30.40	67	65	65	"	"	7	"
11	SSW	"	2	30.40	65	65	65	bcp	"	5	"
Mid.	"	"		30.40	64	65	65	bc	"	7	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday August 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Rainy. Wind light to gentle from W. Bar[ometer] falling
Sea smooth. Swung to ebb at 2.30.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast with frequent passing showers Gentle breeze to light airs from W.
and W.N.W. Ebb tide. At 7.30 Flag Ship made general signal 3351. Received in Construction
Dept. 15 lbs shellac gum.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast. Rainy. Light airs from W.N.W. Swung to flood at 9.30. Large
French mail steamer came in and anchored.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy. Squally and rainy first hour. Pleasant remainder of watch. Light to
stiff breeze from S.W. and W.N.W. English steamer (P.S.N.C.) came in and anchored. At 1.15
called all hands to muster and read proceedings and sentence of summary Court Martial in case
of Herman Meyer (O.S.2c) sentenced to solitary confinement double irons on bread and water
for 30 days, full ration every 5th day and extra police duty for six months. Sentence was
mitigated by Comdg Officer to solitary confinement double irons full rations for 15 days and
extra duty for 3 months. Sentence as mitigated was approved by Comdr in Chief to be carried
into execution from this date. At 2 Flag Ship made tel[egraphic] sig[nal] 9279. 0102. 4204. 6849.
4578. 9409. 9279. 2213. 9. 6702. 1137. 9409. 6691. 620. 670. 6915. 2215. 9. 6702. 1137. 0935.
1267. 4390. Answered. Tide turned ebb at 3.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Threatening. Light to moderate wind from S.W. Blowing in squalls.
Falling very light towards end of watch. Cum Nimb. Long swell from seaward. Ship rolling easily.
Riding to ebb.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Cool. Passing showers third hour. Long swell from S. Light airs to
gentle breeze from W.N.W. Swung to flood at 10.45.

Signed W. H. Allen
Midshipman

Moon's phase 1st qr. Dec. N. 2 °

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW	SW	1-3	30.40	64	65	65	oq	Cum Nimb	0	S		
2			W	"	1	30.38	64	65	65	bcp	"	2			
3			NNW	"	1	30.35	64	65	65	bo	"	2			
4			"	"	1	30.34	64	64	64	or	"	3			
5			"	"	1	30.34	65	63	63	"	"	0			
6			"	"	1	30.35	65	62	62	o	"	0			
7			"	"	1	30.36	65	62	62	bc	Cir Cum Nimb	2			
8			"	Calm	0	30.38	64	65	65	"	"	4			
9			NW	NNW	1	30.40	67	66	66	"	"	5			
10			W by S	"	0-1	30.40	67	66	66	"	"	4			
11			S by W	"	1	30.40	67	67	67	"	"	6			
Noon.			"	"	1	30.40	67	67	67	"	"	5			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1400 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	South	SSE	4	30.35	67	68	67	bc	Cum	9	S
2	"	"	1-2	30.32	67	69	68	"	"	4	"
3	"	"	4	30.32	68	68	67	"	"	4	"
4	WSW	"	5	30.32	67	68	67	"	"	1	"
5	NNW	S	3	30.34	67	68	67	"	"	2	"
6	SSW	"	3	30.34	67	68	67	"	"	5	"
7	NE	SE	3	30.34	67	68	67	"	"	7	"
8	ESE	"	1	30.34	67	68	67	"	"	6	"
9	NE	E	1	30.34	67	68	67	"	"	9	"
10	SSE	NNE	0-1	30.34	67	66	66	"	"	9	"
11	"	"	0-1	30.34	67	66	66	"	"	9	"
Mid.	S by E	"	0-1	30.34	67	66	64	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday August 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and rainy with occasional passing clear intervals. Light wind from S.W. At 2.30 swung to ebb.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cool. Damp Raining first hour. Clearing up last half of watch. Riding to ebb. At 2.30 Flag Ship made general sig[nal] 3351. Ans[wered].

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Warm. Light airs from N.N.W. At 9.15 inspected at quarters. Exercised 1st Div. at great guns. 2nd Div. at single sticks. Marine Guard at setting up. Swung to flood at N. An English Steamer (P.S.N.C.) and a French Steamer went to sea. Lieut C. K. Curtis absent without leave.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear first hour. Cloudy rest of watch. Cool. Pleasant. Light airs increasing to stiff breeze latter part of watch from S.S.E. Released F. H. P. Forrest from confinement by order of Comdg. Officer. At 1 made interrog. signal 4826. Flag Ship answered 904. Furled sail. At 3.20 Flag Ship made general signal 2984. Ans[wered] Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Gentle breeze to light airs varying from S.E. to E. At 5.35 made interrog. Signal 6148. Flag Ship answered 904. At sunset sent down top gallant yards. Unbent light sail.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Cool. Pleasant. Light airs from N.N.E. Flood tide.

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. S. 5°

Examined and found to be correct

Signed Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			South	ESE	2		30.32	67	66	65		bc	Cir Cum Nimb	2		S
2			SSW	"	2		30.30	67	66	65		"	"	5		"
3			NW	ENE	2		30.27	67	67	66		"	"	6		"
4			NNE	"	1		30.27	67	67	66		"	"	7		"
5			North	NE	1-2		30.25	67	67	66		"	"	4		"
6			"	"	1-2		30.29	66	65	66		"	"	7		"
7			"	"	1		30.30	66	65	65		"	"	7		"
8			NNW	"	0-1		30.30	66	66	65		"	"	8	"	
9			NNE	"	0-1		30.32	67	67	66		"	"	9	"	
10			NNW	NNE	0-1		30.32	67	69	67		"	"	9	"	
11			SW	NW	1		30.38	67	69	69		"	"	9	"	
Noon.			South	Calm	1		30.38	68	69	69		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	1750 "
Water remaining on hand fit for me at Noon		2850 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	South	South	1-2	30.25	68	70	69	bc	Cir Cum	7	S
2	"	"	3	30.23	68	70	69	"	"	6	"
3	"	"	3	30.23	68	70	69	"	"	5	"
4	"	"	3	30.23	68	70	69	"	"	5	"
5	SW	"	4	30.20	68	70	68	"	"	0	"
6	NNW	NNW	2	30.20	68	69	68	"	"	3	"
7	NW	"	1	30.20	68	69	68	"	"	6	"
8	"	SSE	0-1	30.20	68	69	69	"	"	5	"
9	ESE	"	0-1	30.24	68	69	69	"	"	2	"
10	S	"	0-1	30.24	69	69	67	"	"	4	"
11	SE	"	0-1	30.24	69	68	67	"	"	4	"
Mid.	SSE	"	0-1	30.23	68	68	67	"	"	4	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Friday August 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy first two hours. Clear last two Light breeze to light airs from E.S.E. and E.N.E. Long swell from S. Swung to ebb at 2.30.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather clear and pleasant. Light breeze to light airs from N.E. Bar[ometer] rising. Sea smooth. Ebb tide. At 7.30 Flag Ship made general signal 3351. And at 7.30 made interrog[atory] sig[nal] 6544. Flag Ship answered 904. Answered and crossed top gallant yards.

Signed J. K. Cogswell
Lieutenant

From 8 A. M. to Merid. Clear and pleasant. Light airs from N.E. to N.W. Calm last hour. At 8.45 made interrog. Signal 5455. Flag Ship answered 904. Loosed sail. At 9.15 exercised at fire quarters. Time of casting loose as follows. 1st Div. 15 sec[onds], Eng. Div. 50 sec, 2nd Div. 25 sec. Secured in 55 sec. American mail steamer City of Pasa came in Swung to flood at 11.15.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cool and pleasant weather. Moderate sea breeze which set in at one o'clock Made interrog signal 4826 to Hartford who answered 904. At 1 furling sail. At 2 Hartford made general signal 6222. Scraped spars. Lt. Comdr. Schouler left the ship on three days leave of absence. Considerable swell setting into harbor. Ship rolling about 5° each way. Flood tide measuring at the rate of two knots.

Signed J. K. Cogswell
Lieutenant

From 4 to 8 P.M. Cloudy. Pleasant. Light to moderate breeze from W.N.W. first part. Light airs ~~airs~~ from S.S.E. latter part. Swung to flood at 7.30.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Pleasant. Light airs from S.S.E. Bar. rising. Considerable swell setting into harbor. Flood tide

Signed J. K. Cogswell
Lieutenant

Moons phase 1st qr. Dec. S. 10°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			South	Calm	1	30.23	68	68	67		bc	Cir Cum Nimb	9	S	
2			"	"	0	30.23	68	68	67		"	"	9	"	
3			SE	NE	0-1	30.20	68	67	66		"	"	9	"	
4			NNW	N	2	30.20	66	67	66		"	"	9	"	
5			"	"	1	30.18	66	66	66		bcp	Cum Nimb	8	"	
6			"	"	1	30.19	66	65	68		"	"	7	"	
7			"	Calm	0	30.20	66	64	65		"	"	7	"	
8			N by W	"	0	30.24	67	66	66		"	"	6	"	
9			WSW	"	0	30.27	67	67	67		bcm	"	5	"	
10			SW	"	0	30.30	67	67	66		"	"	6	"	
11			West	N	0-1	30.30	67	68	67		"	"	6	"	
Noon.			SSW	"	1	30.30	67	69	68		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 2650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			S by E	SE	2	30.28	69	70	69		bc	Cir Cum	5	S	
2			"	"	3	30.27	69	70	69		"	"	6	"	
3			South	"	3	30.26	69	70	69		"	"	5	"	
4			"	"	3	30.26	69	70	69		"	"	5	"	
5			NW by N	South	3	30.26	69	70	69		"	"	5	"	
6			NNW	"	3	30.25	69	70	69		"	"	5	"	
7			"	"	2-3	30.25	69	68	68		"	"	4	"	
8			WNW	"	2-3	30.30	69	68	68		"	"	4	"	
9			S by W	"	2-3	30.31	70	68	68		"	"	4	"	
10			South	"	2	30.33	70	68	68		o	"	0	"	
11			SSW	Calm	0	30.33	70	68	68		bc	"	8	"	
Mid.			W	"	0	30.33	69	68	68		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 31st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Calm first part Light airs latter part from N.E. to N.
Long swell Ship rolling easily Swung to ebb at 3.50.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Foggy. Cum. Nimb clouds. Light airs from N. first part. Calm remainder
of watch. At 7.30 Flag Ship made general signal 3351.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Weather partially cloudy and misty. Calm first half Light airs from N. last
half of watch. Bar[ometer] rising Long swell from S. and E. Flood tide sent liberty party on shore.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Clear Pleasant Gentle sea breeze from S.E. Cir. Cum clouds Swung to
flood at 12.30. Two English Steamers Royal mail and (L.& H.) came in and anchored Received
on board 10 gals boiled oil, 5 gals spts [spirits] turpentine and 1 gal Japan dryer and 10 lbs cut
nails

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Partially cloudy. Misty. Gentle breeze from S. Bar. rising Long swell setting
into harbor.

Signed J. K. Cogswell
Lieutenant

From 8 P.M. to Mid. Clear. Damp. Light S.E. airs first part. Calm remainder of watch. Cir. Cum
clouds. At 8l.30 swung to flood

Signed L. P. Jerrett
Master

Moon's phase 1st qr. Dec. S. 17°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			South	Calm	0	30.33	68	68	68		bcm	Cir Cum	9	S
2			SSW	"	0	30.32	67	68	67		"	"	9	"
3			"	"	0	30.31	66	67	67		"	"	9	"
4			S by W	"	0	30.31	66	67	67		"	"	9	"
5			North	NNE	1	30.31	66	67	67		bc	"	9	"
6			NNW	NNW	1	30.31	66	66	66		"	"	7	"
7			N by W	"	1	30.33	67	66	66		"	"	8	"
8			"	North	1	30.33	67	66	66		"	"	6	"
9			NW	"	0-1	30.33	67	66	67		"	"	5	"
10			SW	"	0-1	30.33	67	67	68		"	"	6	"
11			SSW	Calm	0	30.31	67	68	68		"	"	7	"
Noon.			South	SE	1	30.30	67	69	69		"	"	7	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water		"
Water remaining on hand fit for me at Noon		2350 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.														
1			S by E	SE	4	30.28	71	73	71		bc	Cir Cum	8	S
2			SSE	"	6	30.25	71	73	71		"	"	8	"
3			S by E	"	5	30.23	71	73	71		"	"	8	"
4			"	"	6	30.23	71	73	71		"	"	9	"
5			SE	"	4	30.23	71	73	71		"	"	8	"
6			NE	"	3	30.23	71	73	71		"	"	8	"
7			N by W	"	1	30.23	71	72	70		"	"	8	"
8			N	Calm	0	30.23	71	71	70		"	"	9	"
9			SSE	ENE	1	30.26	70	70	69		"	"	9	"
10			S	E	1	30.26	70	70	69		"	"	9	"
11			S by W	"	2	30.26	70	70	69		"	"	9	"
Mid.			SW	NW	1	30.26	70	70	69		"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool Misty around horizon Calm. Bar[ometer] falling slowly
Long swell setting into harbor. Ship rolling easily. Flood tide.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Clear. Cool. Pleasant. Light airs varying from N.N.E. to N.N.W. Swung to ebb
at 4.45. At 7.30 Flag Ship made general signal 3350. English steamer (P.S.N.C.) came in from
S.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear. Warm. Light W[ester]ly airs and calms Cir. Cum clouds At 9.40
inspected divisions At 10 Commander inspected ship and crew at quarters. Read articles for
government of the Navy. Mustered crew. Lieut C. K. Curtis, James Duncun (OS) absent without
leave. At 10.15 swung to flood Sent liberty party on shore.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear. Pleasant. Moderate to fresh breeze from S.E. Flood tide. Sent a
visiting party to Hartford.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Calm. Moderate sea breeze from S.E. falling light and dying out towards end
of watch. Cir. Cum. clouds At 5.30 swung to ebb.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Pleasant. Light breeze from E. and W. Swung to flood at 9.15

Signed Saml. C. Lemly
Ensign

Moon's phase 1st qr. Dec. S. 22°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			North	Calm	0	30.27	70	68	69		bcm	Cir Cum	8	S	
2			WSW	"	0	30.27	69	69	68		"	"	9	"	
3			S	"	0	30.27	68	69	68		"	"	8	"	
4			"	"	0	30.27	68	69	68		"	"	8	"	
5			W	North	1	30.24	67	68	68		"	"	9	"	
6			N	Calm	0	30.24	67	68	67		"	"	5	"	
7			"	"	0	30.24	68	67	67		"	"	6	"	
8			"	"	0	30.25	69	68	67		"	"	6	"	
9			NW by W	"	0	30.25	69	69	68		"	"	8	"	
10			SSW	NNE	1	30.25	69	69	69		"	"	9	"	
11			S by E	NNW	0-1	30.28	70	70	69		"	"	9	"	
Noon.			SW by S	Calm	0	30.18	70	71	70		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			2000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	South	SSE	3	30.15	70	73	71	bcm	Str	9	S
2	E by S	"	4	30.13	72	74	72	"	"	9	"
3	South	South	33	30.10	75	75	73	"	"	8	"
4	S by W	S by W	3	30.09	74	76	73	"	"	8	"
5	SSW	"	3	30.08	74	76	74	"	"	7	"
6	SW by W	"	1	30.08	73	75	73	"	"	6	"
7	N	Calm	0	30.08	73	74	73	"	"	7	"
8	N by W	"	0	30.08	74	74	73	"	"	5	"
9	NNW	"	0	30.08	74	73	72	"	"	2	"
10	S by W	SW	2	30.08	73	72	71	"	"	1	"
11	SSW	West	2	30.08	73	72	71	"	"	4	"
Mid.	SW by S	NW	2	30.08	73	72	71	"	"	6	"

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Misty Calm. Cir Cum clouds. At 2.10 swung to flood

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy Misty Pleasant. Calm. Received fresh provisions for crew. At 7.30 Flag Ship made general signal 3351. Ans[wered]. Swung to ebb at 5.45. James Brown (C.G.C.) returned on board.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Pleasant. Calm and light airs from N.N.W. Swung to flood at 9.30. At 9.15 exercised at quarters. Cast loose. Marine Guard 45 sec[onds], Nav. Div. 55 sec, Eng. Div. 1 [minute]. 15 [seconds], Powder Div. 1. 50 sec, Surgeons Div. 1 m, 2nd Div. 1 m 30 sec, 1st Division 2 m 45. Secured in 2 m 45 sec. An Argentine steamer came in At 11.55 Flag Ship made general signal 1087. Answered.

Signed Samuel C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Pleasant. Gentle to moderate breeze from S.S.E. to S. by W. Exercised at sending up and down top gallant and royal yards and T. G. Masts. Lieut Comdr John Schouler U.S.N. returned from leave. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Hazy. Gentle breeze to light airs from S. by W. first two hours Calms last two. AT 5.45 Flag Ship made general signal 5040. Ans. Swung to ebb at 6.45.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Pleasant. Hazy. Calm first hour Light breeze remainder of watch. Shifting from W.S.W. and N.W. Flood tide

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. S. 25 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW by W	WNW	2		30.06	71	72	71		bc	Cir Cum	5		S
2			NNW	"	1		30.05	71	71	70		"	"	7		
3			N by W	NW	0-1		30.05	71	71	70		"	"	6		
4			South	"	0-1		30.03	71	71	70		"	"	8		
5			SW	"	1		30.03	70	70	69		bcm	"	7		
6			WNW	"	1		30.03	70	71	70		"	"	7		
7			N	"	1		30.03	70	72	70		"	"	7		
8			"	"	1		30.03	71	73	70		"	"	7		
9			NW by N	NNW	1		30.04	71	74	71		"	"	2		
10			West	"	0-1		30.05	72	74	72		"	"	4		
11			South	Calm	0-1		30.03	73	74	73		"	"	4		
Noon.			"	E	0-1		30.03	73	75	73		"	"	5		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1600 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	ESE	South East	1-2	30.03	73	76	74	bcz	Cir Cum	6	S
2	NE	"	2-3	30.03	73	76	74	"	"	6	
3	NE by E	"	2-3	29.97	73	75	74	"	"	6	
4	South	"	2-3	29.97	73	77	73	"	"	6	
5	"	South	5	29.93	73	76	73	"	"	2	
6	"	SW	4-5	29.92	74	76	73	"	"	2	
7	"	"	4	29.92	74	76	73	"	"	2	
8	North	"	0-1	29.92	74	74	73	"	"	1	
9	"	NE	1	29.93	73	75	73	"	"	1	
10	S by W	Calm	0	29.93	73	75	73	"	"	1	
11	South	SE	1-0	29.91	73	74	73	"	"	1	
Mid.	"	"	1	29.84	73	74	73	"	"	1	

Longitude by Chronometer from Afternoon Observations ⊕	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Pleasant Damp. Light breeze to light airs from W.N.W. and N.W. Swung to ebb at 1240. Swung to flood at 3.15.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear. Pleasant. Misty. Wind light from N.W. Barometer steady Sea smooth. Swung to ebb at 6.30. At 7.30 Flag Ship made general signal 3351. Answered

Signed J. K. Cogswell
Lieutenant

From 8 A. M. to Merid. Cloudy. Hazy. Warm. Calm and light variable airs At 9.15 inspected at quarters. Exercised 1st and second divisions at great guns and Marine Guards at small arms. Fred Porter (C.S.) absent without leave. At work on new poop awning and T. G. sail. Swung to flood at 10.30.

Signed C. B T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Hazy. Warm. Wind light to gentle from S.E. Bar[ometer] falling Sea smooth Swung to flood at 3.45 and to ebb at 1.35. Lieut. C. K. Curtis returned on board having been absent without leave 5 days.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy. Hazy. Pleasant. Moderate to stiff breeze first three hours from S. to S.W. Calm last hour. At 5 "Hartford" made general signal 3967 and geographical 1516. Ans[wered]. Mustered at quarters and turned in clean hammocks. Swung to ebb at 7.30.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Pleasant. Wind light from S.E. Calm Raining portion of watch. Barometer falling. Sea smooth. Swung to flood at 9.15.

Signed J. K. Cogswell
Lieut

Moon's phase 2nd qr. Dec. S. 27°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S by W	Calm	0	29.82	73	73	72		bcz	Cir Cum	2	S	
2			NW by W	"	0	29.82	73	73	72		"	"	4	"	
3			N	"	0	29.84	73	73	72		o	"	0	"	
4			NE	SE	1	29.84	73	72	71		"	"	0	"	
5			N by E	Calm	0-1	29.84	71	72	71		"	"	0		
6			"	"	0-1	29.84	71	71	71		or	Nimb	0		
7			North	"	0-1	29.84	71	70	71		"	"	0		
8			"	"	0-1	29.84	71	70	71		"	"	0		
9			"	"	0-1	29.90	71	71	70		"	"	0		
10			N by W	North	0-1	29.90	71	72	70		"	"	0		
11			SW	"	0-1	29.87	71	72	71		Bcon	"	3		
Noon.			S by E	"	0-1	29.87	71	73	72		"	"	4		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1200 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	WSW	Calm	0	29.84	72	75	73	bcm	Cir Cum	5	S
2	South	South	3	29.81	72	74	73	"	"	6	"
3	NW by W	"	4	29.79	72	74	73	"	"	5	"
4	"	"	4	29.80	71	73	73	do	"	5	"
5	S by W	"	4	29.80	73	73	72	"	"	5	"
6	S	"	3-4	29.80	72	73	72	"	"	3	"
7	SSW	"	3	29.82	72	72	71	"	"	7	"
8	SW	"	2-3	29.82	73	71	71	"	"	7	"
9	SSW	"	0-1	29.84	71	71	71	"	"	6	"
10	W	Calm	0	29.88	71	71	71	"	"	7	"
11	South	"	0	29.92	71	71	71	"	"	8	"
Mid.	"	"	0	29.92	71	71	71	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday September 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and hazy. Calm first three hours Light airs last hour from S.E. By order of Commander Herman Meyer (OS2c) was taken out of ~~the~~ brig and confined in the fore passage upon recommendation of Surgeon. Swung to ebb at 2.15

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Rainy. Calm. At 7.30 Flag Ship made general signal 3351.
Ans[wered] Riding to ebb

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy and rainy first part. Overcast and misty remainder of watch.
Warm. Barometer falling. Sea smooth. Swung to flood at 10.45.

Signed W. G. Hannum
Midshipman

From Merid. to 4 P.M. Clear. Misty. Moderate sea breeze from S. Tide turned ebb at 1.30
Received on board two boxes salt water soap. P. J. Duffy OS was rated seaman. By order of Comdr. also the following (OS2c) were rated OS. J. G. Pentz, P.H. Emmons, Wm Hayden, E. E. Barclay, L. W. Hellen, W. J. Lindon, W. C. Montgomery and T. G. Roberts all from the 1st instant inclusive.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Partially cloudy. Misty and damp. Wind moderate to light from S. Bar[ometer]
rising Sea smooth. Flood tide At 5.40 Flag Ship made prep. signal 6143 and at 5.45 general
signal 6143. Ans. At sundown sent down top gallant yards.

Signed W. G. Hannum
Midshipman

From 8 P.M. to Mid. Clear. Warm. Calm. Light airs from S. Swung to ebb.

Signed L. P. Jerrett
Master

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			SW	Calm	0	29.90	71	72	70		bcm	Cum Nimb	5	S			
2			W by N	"	0	29.90	71	71	70		"	"	3	"			
3			N	"	0	29.89	71	71	70		om	"	0	"			
4			"	"	0	29.89	71	70	70		of	"	0	"			
5			N by E	ENE	1	29.89	71	70	70		f	"	0	"			
6			S by E	NE	0-1	29.89	71	70	70		"	"	0	"			
7			SW by S	"	1	29.94	70	70	69		"	"	0	"			
8			SW by W	North	1	29.94	69	69	69		"	"	0	"			
9			North	N by E	1	29.94	70	69	69		bcm	"	2	"			
10			"	"	0-1	29.94	70	69	69		"	"	2	"			
11			NNE	North	1	29.95	71	71	71		"	"	3	"			
Noon.			SW	"	1	29.92	71	72	71		"	"	3	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		200 gallons.
Water	during the preceding 24 hours	" "
Water remaining on hand fit for me at Noon		1000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.										
1	S by W	North	1	29.90	73	74	73	"	"	8
2	N by W	Calm	0	29.87	75	75	74	"	"	6
3	N	"	0	29.86	75	76	75	"	"	8
4	"	SE	1	29.86	75	77	76	"	"	8
5	WSW	"	1	29.88	74	77	75	"	"	9
6	S	"	1	29.88	73	74	73	"	"	7
7	S by E	"	0-1	29.88	73	74	73	"	"	8
8	S	Calm	0	29.88	73	74	73	"	"	6
9	W by N	NNW	0-1	29.90	73	74	73	"	"	7
10	N	"	1	29.92	73	75	74	"	"	4
11	N by E	"	1	29.92	73	75	74	"	"	3
Mid.	N	Calm	0	29.92	73	75	74	"	"	4

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	*	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy Misty Foggy last hour. Damp Calm. Bar[ometer] falling
Sea smooth. Swung to ebb at 2.15.

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Foggy. Damp. Disagreeable. Light airs varying from E.N.E. to N. Swung to
flood at 4.30. Received fresh provisions for crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Foggy first hour. Cloudy remainder of watch. Warm. Light airs from W. At
8.50 made general signal 5459. Flag Ship answered 904. At 9 crossed top gallant yards and
loosed sail. At 9.30 inspected at quarters Exercised Company [?] at single sticks The Brazilian
man of war "Nitchroy" got underway and stood out to sea. At 1.21 swung to flood.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Sky clear. Misty. Calm and light airs from N.E. and S.E. Swung to ebb at
1.45. At 1 Flag Ship made prep signal 4826 Ans[wered] and furled sail. Italian steamer went to
sea. Lieut J. K. Cogswell left the ship having been detached by order of the Navy Dept. with
permission to proceed to the U.S.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Warm. Light S.E. Cum Nimb clouds. At 5.10 swung to flood At 5.05 Flag
Ship made prep[eratory] sig[nal] 2983 At 5.40 prep 6143 At sunset she made gen[eral] sig 6143
Sent down top gallant yards At 4.15 made interrog sig 6177. Flag Ship answered 904 shifted
topsails.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Cloudy. Misty Moonlight. Light airs from N.N.W. and calms. Swung to ebb
at 9.30.

Signed Saml. C. Lemly
Ensign

Moons phase 2nd qr. Dec. S. 26°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			N by W	Calm	0		29.92	74	75	75		bcm	Cum Nimb	1	S	
2			"	"	0		29.92	74	75	75		om	"	0	"	
3			North	"	0		29.92	74	75	74		"	"	0	"	
4			"	SE	1		29.92	74	74	73		"	"	0	"	
5			"	Calm	0		29.92	74	74	73		or	"	0	"	
6			"	"	0		29.92	74	75	75		"	"	0	"	
7			SSE	SE	3		29.94	73	74	73		om	"	0	"	
8			SW	WSW	3		29.98	74	75	74		"	"	0	"	
9			SSW	S by W	4		30.05	74	75	73		"	"	0	"	
10			SW by S	WSW	5		30.07	74	75	73		"	"	6	"	
11			SW by W	"	5		30.07	74	75	72		bcm	"	2	"	
Noon.			"	"	3-5		30.07	74	75	72		om	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water		"
Water remaining on hand fit for me at Noon		400 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			SW	SW	5-6		30.10	74	73	72		om	Cum Nimb	0	S	
2			"	"	4-5		30.11	75	72	72		"	"	1	"	
3			WNW	SSW	4-5		30.12	72	72	71		"	"	0	"	
4			NW	S	3-4		30.14	72	72	71		"	"	0	"	
5			W by N	"	4-6		30.17	72	72	71		opm	"	0	"	
6			WNW	SSW	0		30.26	72	71	71		om	"	0	"	
7			SSW	"	3		30.22	71	69	69		o	"	0	"	
8			S by W	SW	2		30.22	71	70	69		"	"	0	"	
9			SSW	W	2		30.22	71	70	69		"	"	0	"	
10			"	Calm	0		30.22	71	69	68		"	"	0	"	
11			SW	SSW	3		30.25	71	69	68		om	"	0	"	
Mid.			"	"	3		30.25	71	69	68		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Very damp Obscured moonlight Cum Nimb clouds Calm first three hours Light S.E. wind last hour. Riding to ebb.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Overcast and Misty. Raining first two hours Calm rest of watch Gentle breeze from W.S.W. and S.E. At 7.30 Flag Ship made gen[eral] sig[nal] 3351. Ans[wered] Swung to flood at 6.30

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Overcast. Misty. Damp. Moderate to stiff breeze from S. by W. and S.S.W. Flood tide. At 8.50 Flag Ship made prep[aratory] 5459 and then hoisted annulling pennant At 9 she made prep 6144 At 9.10 gen. 6144 Ans and crossed top gallant yards. At 9.25 exercised at fire quarters. American steamer City of Para went to sea. Dipped colors in passing. By order of Comdr Nicholas Lynch OS2c was confined in double irons to await trial by summary Court Martial for insolence. W. C. Robinson (Lds) was given extra watches for loafing on the forecastle while on duty below. N. Lynch OS2c 4 hrs extra duty for skylarking and defacing port guard.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast. Misty and damp. Gentle to fresh breeze from S.W. to S. Light sprinkling of rain latter part of watch. Swung to ebb at 3.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Overcast. Misty Light passing showers first hour. Stiff breeze from S.S.W. and falling light and shifting to W. Swung to ebb at 6.15

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Overcast and misty Rainy last three hours of watch. Calm first hour. Gentle breeze rest of watch from S.S.W. to W.S.W. Flood tide.

Signed C. B. T. Moore
Ensign

Moons phase 2nd qr. Dec. S. 23 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			SSW	SSW	3		30.28	71	68	67		om	Cum Nimb	0	S	
2			SW	"	2		30.28	71	67	67		"	"	0	"	
3			WSW	SW by S	2-4		30.29	73	66	66		"	"	0	"	
4			SW	"	4		30.29	70	66	66		"	"	0	"	
5			WNW	"	3-4		30.29	69	67	66		omr	"	0	"	
6			SW	"	3-4		30.30	68	67	66		"	"	0	"	
7			WSW	South	3-4		30.33	68	66	65		"	"	0	"	
8			SSW	"	3		30.36	68	65	64		"	"	0	"	
9			S by E	Calm	0		30.37	68	66	65		"	"	0	"	
10			"	"	0		30.38	68	65	65		"	"	0	"	
11			SSW	WNW	2		30.38	68	65	65		"	"	0	"	
Noon.			W	WSW	0-1		30.38	69	65	68		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		310 "
Water remaining on hand fit for me at Noon		410 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			WNW	SW	2		30.39	67	65	65		or	Cum Nimb	0	S	
2			West	"	2		30.35	67	65	64		"	"	0	"	
3			W by N	"	2		30.35	67	64	64		"	"	0	"	
4			NNW	"	1-2		30.35	65	64	64		"	"	0	"	
5			NW	WSW	2		30.37	66	64	64		"	"	0	"	
6			"	NW	2		30.37	66	64	64		"	"	0	"	
7			WNW	NNW	1-2		30.37	67	64	64		"	"	0	"	
8			N by W	SE	3		30.40	67	64	64		"	"	0	"	
9			S by E	NE	2		30.42	68	63	63		"	"	0	"	
10			S	"	2		30.42	68	63	63		"	"	0	"	
11			S by W	"	2		30.41	68	63	63		"	"	0	"	
Mid.			WSW	"	2		30.40	68	63	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	0	"
Longitude by Chronometer Observations	0	"
Variation of the Compass by Amplitude	0	"
Variation of the Compass by	0	"

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Raining. Light to moderate breeze from S.S.W. and S.W. by S. Swung to ebb at 3.45.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Rainy. Gentle to moderate breeze from S.W. and S. Bar[ometer] rising. Sea smooth Swung to flood at 4.30 At sunrise shore batterys fired salutes of 21 guns. Brazilian and French men of war in harbor full dressed ship Brazilian ensign at main. At 8 full dressed ship with Hartford Brazilian ensign at main At 9.30 Flag Ship made gen[eral] sig[nal] 3351. Ans[wered]

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast. Cool. Disagreeable. Raining during watch Calm first two hours Light breeze last two from W.N.W. and W.S.W. Swung to ebb at 11.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Rainy. Wind light from S.W. Barometer falling Sea smooth Ebb tide At 1 British French and American Flag Ships fired 3 shore batterys on shore fired national salutes of 21 guns Received in Equipt. Dept. 10 cases lead and 4 cases guns

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast. Rainy during watch Light variable breeze At sunset shore battery fired a national salute. Ebb tide

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Rainy. Wind light from N.E. Barometer falling. Sea smooth. Flood tide.

Signed C. K. Curtis
Lieut

Moons phase 2nd qr. Dec. S. 19°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NNE	Calm	0	30.40	68	63	63		o	Cir Cum	0	S	
2			N by W	"	0	30.40	68	63	63		"	"	0	"	
3			"	"	0	30.38	68	63	63		"	"	0	"	
4			North	"	0	30.35	68	63	63		"	"	0	"	
5			NW	West	0-1	30.35	68	64	64		or	Nimb	0	"	
6			WNW	"	0-1	30.35	68	64	65		"	"	0	"	
7			SW	Calm	0	30.38	67	64	65		o	"	0	"	
8			SSW	W	1	30.39	66	64	65		or	"	0	"	
9			South	Calm	0	30.41	66	65	65		odf	"	0	"	
10			S by W	"	0	30.42	66	66	65		"	"	0	"	
11			SSW	SW	0-1	30.41	66	66	65		"	"	0	"	
Noon.			S by W	"	0-1	30.41	66	66	65		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water		"
Water remaining on hand fit for me at Noon		2000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			NNW	Calm	0	30.38	66	66	65		bcm	Nimb	0	S	
2			N by W	S	0-1	30.35	66	66	65		od	"	0	"	
3			NNW	"	3	30.33	66	67	67		bo	"	1	"	
4			SSW	"	3	30.33	67	67	67		"	"	2	"	
5			N	"	1	30.33	67	67	67		"	"	2	"	
6			ESE	"	1-2	30.35	67	67	67		od	"	0	"	
7			SE	SE	1-2	30.35	68	67	66		o	"	0	"	
8			"	"	1-2	30.36	68	67	66		"	"	0	"	
9			SE by S	"	2	30.38	68	67	66		"	"	0	"	
10			SSE	ESE	2	30.38	68	67	66		"	"	0	"	
11			S	"	2	30.38	67	67	66		"	"	0	"	
Mid.			"	"	1-2	30.38	67	67	66		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Raining during watch By order of Comdr W.S. Robinson stood 4 hrs extra watch. Swung to ebb at 12.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Rainy during entire watch. Nimb clouds. Calms and light variable airs. At 7 swung to flood. At 7.30 Flag Ship made gen[eral] sig 3350. Ans[wered].

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy. Foggy. Drizzling rain during entire watch Barometer rising slowly. Sea smooth. Flood tide At 9.30 inspected at quarters Recruited in Equip. Dept. 1900 gals fresh water Sent party of men on shore on liberty.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Rainy first two hours. Cloudy. Threatening remainder of watch. Calm first part. Gentle sea breeze from S. latter part of watch. Nimb clouds. At 12.20 swung to ebb. At 4 swung to flood.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Cloudy. Drizzling rain first part Wind light from S. and S.E. Bar rising. Sea smooth Flood tide At 5.30 Flag Ship made general signal 2985. Ans.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Cool. Light E.S.E. winds Nimbus cloud Obscured moonlight. Riding to flood

Signed L. P. Jerrett
Master

Moon's phase 2nd qr. Dec. S. 15°

Examined and found to be correct

Signed Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NE	East	1-2	30.35	67	67	66	p	Cir Cum Nimb	0	S		
2			N	"	1-2	30.33	67	67	66	bc	"	2	"		
3			"	"	1-2	30.32	67	67	66	"	"	1	"		
4			"	"	1-2	30.32	67	67	67	"	"	3	"		
5			N by W	Calm	0	30.32	67	67	66	"	"	8	"		
6			NW	E	0-1	30.32	67	67	66	"	"	6	"		
7			NNE	"	0-1	30.34	68	68	67	"	"	7	"		
8			E	ESE	0-1	30.34	68	71	70	"	"	6	"		
9			SE	Calm	0	30.34	68	71	70	"	"	4	"		
10			SSE	"	0	30.34	70	71	70	"	"	5	"		
11			S by E	SE	3	30.35	70	70	70	"	"	0	"		
Noon.			South	South	3	30.35	70	71	70	"	"	3	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for me at Noon		1700 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	S by E	S by E	4	30.32	70	71	70	bc	Cir Cum Nimb	7	S
2	SW by S	SSE	5	30.28	70	71	70	"	"	6	"
3	NE by N	"	4	30.27	70	71	70	"	"	2	"
4	NNE	SSE to SSW	3	30.27	70	71	70	"	"	2	"
5	East	SE	2-3	30.26	70	71	70	"	"	3	"
6	SE	"	2	30.26	70	71	70	"	"	3	"
7	SSE	"	2	30.26	71	71	70	"	"	2	"
8	SE by S	"	0-1	30.27	71	71	70	"	"	2	"
9	SSE	"	2	30.27	71	71	70	"	"	1	"
10	S	"	1	30.25	71	71	70	"	"	1	"
11	S by W	Calm	0	30.25	71	70	70	"	o	0	"
Mid.	"	"	0	30.20	71	70	70	"	bc	1	"

Longitude by Chronometer from Afternoon Observations	0	1	11
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy but pleasant. Wind light from [blank] Bar[ometer]. falling
Sea smooth Ebb tide Weather clearing towards end of watch

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear and pleasant Calms and light airs from E. and E.S.E. Ebb tide slack
water at 6.45 At 7.30 Flag Ship made general signal 3351. At 7.50 she made prep[atory] 5456
and at 8.55 general 5456. Answered. At 8 loosed sail to a bowline. Received fresh provisions for
crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy Threatening rain Misty. Calm first part Gentle sea breeze from
S.E. shifting to S. latter part. At 9.15 exercised at general quarters. George Boyce was
appointed 1st seargt. [sergeant] from 24th August. Riding to flood. By order of Comdr W. H.
Danforth (OS) was placed in double irons for sleeping on his watch. N. Lynch (OS) was
released from confinement and restored to duty. The following men absent without leave P.
Kincade (Lds) T. Kelly (C. of T.) Pedear Olsen (Sea) James Flynn (P.M.) M. Maugan (O.S.)
Henry Lemnee [unreadable] P. H. Emmons AS

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear first two hours. Cloudy last two Gentle to stiff breeze varying from
S. to S.S.W. H.M.S. Voliage got underway and stood out to sea. At 3.10 Flag Ship made prep
4826 and then gen. 4826 Ans. and furled sail. By order of Comdg Officer J. L. Keag (B.M.) was
temporarily confined without irons for fighting.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Gentle sea breeze from S.E. dying out towards end of watch Cir.
Cum. Nimb clouds At 5 swung to flood. At 5 Flag Ship made prep 2982. Ans

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Cloudy. Pleasant. Light breeze from S.E. first two hours. Calm last two
Flood tide.

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			South	Calm	0		30.29	71	70	70		bc	Cir Cum	5	S	
2			NNW	"	0		30.29	71	70	71		"	"	5	"	
3			N by W	ENE	0-1		30.25	70	70	70		"	"	3	"	
4			"	"	0-1		30.21	69	70	69		"	"	4	"	
5			NW	NE	1		30.21	69	70	69		"	Cir Cum Nimb	7	"	
6			"	"	1		30.21	69	70	69		"	"	5	"	
7			WNW	NNE	1		30.24	69	69	68		"	"	4	"	
8			N by E	"	1		30.24	69	69	68		"	"	3	"	
9			SSE	"	0-1		30.27	70	70	69		"	"	6	"	
10			S by E	NNW	0-1		30.28	70	72	71		"	Cir Cum	8	"	
11			South	"	1		30.28	70	72	71		"	"	8	"	
Noon.			"	SSE	2		30.28	70	73	72		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 50 gallons.

Water Received during the preceding 24 hours 1500 "

Water remaining on hand fit for me at Noon 1950 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1			S by E	S by E	3		30.28	71	75	71		"	"	9	S	
2			SW by S	"	4		30.23	72	73	72		"	"	9	"	
3			NW by W	South	4-5		30.20	72	73	72		"	"	5	"	
4			N	SSW	4		30.20	72	73	72		"	"	4	"	
5			NNE	SE by E	4		30.17	72	75	74		"	"	6	"	
6			SW	SSE	5		30.17	72	75	74		"	"	5	"	
7			SW by S	ESE	2		30.17	73	73	73		"	"	7	"	
8			S by E	SE	1		30.17	73	73	72		"	"	8	"	
9			SSE	East	2		30.18	73	73	71		"	"	5	"	
10			"	ENE	3		30.18	72	73	71		"	"	4	"	
11			South	"	2		30.18	72	73	71		"	"	7	"	
Mid.			SSE	Calm	0		30.18	71	71	70		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially clear. Cool. Calm and light airs from N. and E. Cir. Cum clouds. Bright moonlight. At 1.30 swung to ebb By order of Comdr. W.C. Robinson (Lds) stood middle watch for punishment.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy. Pleasant. Light airs from N.E. and N.N.E. At 7.30 Flag Ship made general signal 3351. Ans[wered]. Ebb tide

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and pleasant. Light airs from N.N.E. and N.N.W. first part. Light breeze from S.S.E. last hour. Flood tide. At 8.55 Flag Ship made prep 5457 and then general signal 5457. Ans. Loosed sail and crossed royal yards. At 9.30 inspected at quarters. Exercised at company and at dress parade. Received 1300 gals. fresh water

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear first part of watch. Cloudy latter part. Gentle to stiff breeze from S. by E. to S.S.W. Enlisted George Alexander as Lds [landsman] for the cruise of the "Essex" special service from the 1st instant inclusive John L. Kerry (B.M.) was released from confinement and restored to duty by order of Comdr. At 1 Flag Ship made prep. 4826 and then gen[eral] 4826. Furlled sail Swung to ebb at 2.45.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Moderate breeze to light airs varying from S.S.E. to S.E. by E. Swung to flood at 4.45. At 5.05 Flag Ship made prep 6140 and then general 6140. Ans and sent down light yards and T. G. Masts. Bent light sails. At 5.45 Flag Ship made prep sig. 2985. Answered.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Pleasant light to gentle from E. to E.N.E. Calm last hour. Bright moonlight. Pedear Olsen Sea and Thomas Kelly C of T. returned from liberty Flood tide.

Signed C. B. T. Moore
Ensign

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	Calm	0	30.13	70	70	69	bc	Cir Cum	8	S			
2			NNW	NW	1	30.13	70	70	69	bcm	"	6	"			
3			N by W	"	3	30.13	70	70	69	"	"	7	"			
4			NNE	"	2	30.13	70	70	69	"	"	8	"			
5			"	"	2	30.15	70	69	69	"	"	8	"			
6			NE	E	2	30.17	69	69	69	"	"	8	"			
7			"	"	1-2	30.18	69	69	68	"	"	7	"			
8			WSW	"	1-2	30.18	69	70	68	"	"	5	"			
9			South	NNW	1	30.19	69	72	69	"	"	7	"			
10			"	"	1	30.20	70	73	60	"	"	8	"			
11			"	"	0-1	30.20	71	74	71	"	"	5	"			
Noon.			"	SSE	1	30.18	72	74	72	"	"	5	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		450 gallons.
Water		" "
Water remaining on hand fit for me at Noon		2500 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	South	SE	2	30.15	72	74	72	bcm	Cir Cum	5	S
2	SW by W	South	2	30.12	73	75	73	"	"	3	"
3	N	"	2	30.10	73	76	74	"	"	4	"
4	"	"	2	30.10	73	77	76	"	"	3	"
5	NNW	SE	1	30.10	75	79	77	"	"	4	"
6	W	"	1	30.10	75	77	76	"	"	3	"
7	SW by S	Calm	0	30.10	75	76	75	"	"	5	"
8	SSW	"	0	30.10	74	75	74	"	"	3	"
9	S by W	W	0-1	30.10	74	76	74	"	"	3	"
10	SSW	"	0-1	30.10	73	74	73	"	"	2	"
11	South	"	1-2	30.10	73	73	73	"	"	1	"
Mid.	"	"	1-2	30.10	72	73	73	"	"	2	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday September 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and misty Calm first hour Light airs to gentle breeze
remainder of watch Swung to flood at 1.45. By order of Comdr. W. C. Robinson (Lds) stood mid
watch on quarter deck.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather partially cloudy. Pleasant. Wind light from N.W. and E. Barometer
rising. Sea smooth. Swung to flood at 7.45. At 7.30 Flag Ship made general signal 3351.
Ans[wered].

Signed C. K. Curtis
Lieut

From 8 A. M. Cloudy. Pleasant. Misty. Light airs from N.N.W. first 3 hours Sea breeze set in at
11.30 At 9 Flag Ship made prep[atory] 5461 and then hoisted annulling pennant. At 9.15
inspected at quarters Exercised 1st and 2nd Division at great guns and Marine Guard at squad
instruction. P. A. Paymaster H. T. Stancliff went on leave of absence for 5 days. Flood tide

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Partially cloudy Warm. Pleasant. Wind light from S.E. and South.
Barometer falling Sea smooth At 3.30 Flag Ship made general signal 2984 Ans At 3.40
exercised at light yards. Henry Lawrence (2cF) returned from liberty.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy. Pleasant. Light airs first two hours from S.E. Calm last two. Swung to
flood at 8.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Foggy and misty. Light airs and light breeze from West.
Barometer steady. Sea smooth. Flood tide. P. H. Emmons A.S. returned from liberty.

Signed C. K. Curtis Lieut

Moons phase 3rd qr. Dec. 1 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1			SW by S	WNW	1		30.08	71	73	72		bc	Cir Cum	4	S
2			WNW	NW	0-1		30.08	71	73	72		"	"	5	"
3			NNW	Calm	0		30.06	71	72	71		"	"	6	"
4			"	"	0		30.06	71	71	70		"	"	7	"
5			"	"	0		30.06	71	70	72		"	"	8	"
6			NW by N	North	0-1		30.08	71	70	72		"	"	6	"
7			NNW	"	0-1		30.08	71	70	71		"	"	7	"
8			"	"	1		30.10	71	71	70		"	"	7	"
9			WSW	"	1		30.10	71	72	71		"	"	6	"
10			South	"	1		30.10	72	71	71		"	"	6	"
11			"	"	1-2		30.10	73	75	73		"	"	6	"
Noon.			"	"	1-2		30.08	74	76	71		"	"	6	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		200 gallons.
Water		"
Water remaining on hand fit for me at Noon		2300 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			SSE	NE	2		30.06	75	77	75		bcz	Cir Cum	7	S
2			SE by E	"	3		30.08	75	78	75		"	"	7	"
3			NNE	"	3		30.08	76	79	75		"	"	7	"
4			N by E	Calm	0		30.08	76	79	75		"	"	8	"
5			NNW	"	0		30.08	76	81	77		"	"	8	"
6			NW by N	"	0		30.08	76	79	78		"	"	8	"
7			NNW	"	0		30.08	76	78	76		"	"	8	"
8			SW	"	0		30.08	75	77	76		"	"	8	"
9			SSW	"	0		30.00	75	77	75		"	"	8	"
10			S by W	"	0		30.00	75	77	75		"	"	8	"
11			South	"	0		30.00	74	76	75		"	"	8	"
Mid.			"	"	0		30.00	74	76	75		"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

*
observed at Sunset
at

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Light airs from W.N.W. to N.W. first two hours. Calm last two. Swung to ebb at 2.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Misty. Light N[orther]ly airs. Cir. Cum clouds. At 7.30 Flag Ship made general signal 3351. Ans[wered]. Received on board fresh provisions for crew. Riding to ebb. Large English steamer P.S.N.C came in.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Partially cloudy. Warm. Light breeze from N. Barometer falling Sea smooth. Swung to flood at 9.15. At 8.45 Flag Ship made prep[oratory] sig[nal] 5461 and at 8.50 general signal 5461. Ans. Crossed light yards and loosed sail. At 9.30 inspected at quarters exercised Company B at single sticks. Marine Guard at manual Herman Meyer OS2c was released from confinement and restored to duty time of sentence having expired.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Warm. Gentle N.E. breeze dying out towards end of watch. Cir Cum clouds. Hazy At 1 Flag Ship made general signal 4826. Ans. Furled sail. Swung to ebb at 2.30. At work repairing new topsails.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Hazy. Warm. Calm. Sky clear. Barometer steady Sea smooth Tide turned flood at 7.15 At 5 Flag Ship made prep sig 6070. Ans. Sent down royal yards. Michael Maugan OS returned from liberty.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Clear. Damp. Calm. Cir. Cum clouds Bright moonlight. Riding to flood

Signed L. P. Jerrett
Master

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SSW	Calm	0		29.99	73	73	75		bcm	Cir Cum	10		S
2			SW by W	"	0		29.99	73	75	75		"	"	10		"
3			NNW	"	0		29.97	73	74	73		"	"	10		"
4			"	"	0		29.97	73	73	72		"	"	10		"
5			"	"	0		29.97	73	73	72		"	"	9		"
6			NW by N	NNW	0-1		29.98	73	73	72		"	"	8		"
7			"	"	0-1		30.00	73	72	72		"	"	8		"
8			NW	"	1		30.00	74	74	72		"	"	9		"
9			WNW	"	1		30.00	74	74	72		"	"	9		"
10			SSW	N	1		30.00	74	74	73		"	"	9	"	
11			S by E	"	1		30.00	75	70	74		"	"	9	"	
Noon.			SSE	NE	1		29.98	76	70	75		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1900 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	South	NE	2-1	29.95	77	79	77	bm	None	10	S
2	S by E	"	2-1	29.95	78	81	77	bm	"	10	"
3	NNW	N	1	29.92	78	81	78	"	"	10	"
4	"	"	0-1	29.92	78	81	78	"	"	10	"
5	"	Calm	0-1	29.91	78	82	81	bcm	Cir Cum	9	"
6	"	"	0	29.90	78	81	78	"	"	9	"
7	"	"	0	29.90	78	81	78	"	"	9	"
8	WSW	"	0	29.90	78	78	77	"	"	9	"
9	SW by W	NNW	1	29.98	78	78	77	"	"	9	"
10	SSE	NW by N	1	30.00	78	78	77	"	"	9	"
11	S by E	NW	1	30.00	77	77	76	"	"	9	"
Mid.	S	"	0-1	30.00	71	77	76	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Hazy. Pleasant. Calm Sky cloudless Moonlight Barometer falling slowly. Sea smooth. Tide turned ebb at 2.30

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear sky. Misty Calms and light airs from N.N.W. Ebb tide. At 7.30 Flag Ship made general sig[nal] 3351. Ans[wered]. Received fresh provisions for crew. Philip Kincade (Lds) returned on board.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear Warm. Light airs from N. Cir Cum clouds At 9.15 exercised at fire quarters. At 10.30 swung to flood. Large English steamer P.S.N.C. went to sea. By order of Comdg Officer Thomas Kelly (C of T) was placed in solitary confinement for smuggling liquor Theodore Bechelson Lds 2 hrs extra duty for not keeping mess gear clean.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and misty Warm Light airs to light breeze from N.E. and N. At 2.55 swung to ebb. At 3.30 Flag Ship made general signal 2984 Ans.

Signed Saml C. Lemly
Ensign

From 4 to 8 P.M. Clear. Warm. Calm. At 5.10 made interrog[atory] signal 6177. Flag Ship 904. Shifted topsails Slack water at 8.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Misty. Calm. Pleasant. Moonlight Light airs from N.W. Swung to flood at 8.30

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S.W.	Calm	0		29.90	78	78	76		bcm	Cir Cum	9		S
2			"	"	0		29.90	78	78	76		"	"	9		"
3			WNW	"	0		29.90	777	77	76		"	"	9		"
4			"	"	0		29.90	77	77	76		"	"	9		"
5			"	NNW	1		29.98	75	75	73		"	"	5		"
6			"	"	0-1		29.98	75	75	73		"	"	4		"
7			West	Calm	00		30.90	74	74	74		"	"	2		"
8			"	"	0		29.92	76	76	75		"	"	2		"
9			SW by S	NNE	0-1		29.92	77	77	76		"	"	5		"
10			"	E	1		29.95	77	77	76		"	"	6	"	
11			"	SE by S	1		29.95	78	78	77		"	"	8	"	
Noon.			SSE	SSE	1		29.95	78	78	77		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by E	South	4	29.95	76	78	77	bcm	Cir Cum	9	S
2	SSE	"	4	29.92	76	76	74	"	"	9	"
3	"	"	4	29.90	76	76	74	"	"	9	"
4	N by E	"	4	29.90	75	75	74	"	"	9	"
5	NNW	"	4	29.90	75	76	75	"	"	9	"
6	N by E	"	3	29.90	74	75	73	"	"	9	"
7	NNE	"	2	29.88	73	74	73	"	"	9	"
8	SW by W	SSE	3	29.88	73	73	72	"	"	8	"
9	SSW	SSW	4	29.90	73	73	71	"	"	8	"
10	South	"	3	29.90	73	72	71	"	"	8	"
11	"	Calm	0	29.90	73	72	71	"	"	4	"
Mid.	"	"	0	29.90	73	72	71	"	"	2	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Misty. Pleasant. Calm. Cir Cum clouds. Bright moonlight
At 2.30 swung to ebb

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy. Misty. Pleasant. Light airs from N.N.W. first part. Calm latter part At
7.30 Flag Ship made general signal 3351. Ans[wered]. H.M.S. Voliage came in and anchored.
Ebb tide

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Misty. Warm Light airs varying from N.N.E. to S.S.E. Swung to
flood at 8.45. By order of Comdr. W. H. Danforth was released from confinement and restored
to duty

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Pleasant. Moderate sea breeze from S. Cir Cum clouds Three
large French steamers came in and anchored Swung to ebb at 3.30

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Misty. Damp. Light to gentle breeze from S. and S.S.E. Ebb tide slack
water at 7.30

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Damp Moderate breeze first part from S.S.W. Calm latter part
Flood tide

Signed C. B. T. Moore
Ensign

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.														
1			S by E	ENE	1	29.91	72	72	71	bcm	Cir Cum	3	S	
2			South	WNW	0-1	29.91	72	72	71	"	"	1	"	
3			S by W	SSW	3-6	29.91	72	72	71	bcqn	"	5	"	
4			W	"	3-5	29.91	72	72	71	"	"	6	"	
5			NW	"	2-3	29.92	72	72	71	bcm	"	3	"	
6			NNW	"	2-3	29.97	72	73	72	"	"	1	"	
7			NW	"	3-4	30.01	72	74	72	"	"	1	"	
8			NW by W	"	2-3	30.02	73	74	73	od	"	0	"	
9			WSW	Calm	0	30.02	73	74	75	om	"	0	"	
10			SW	NNW	2	30.02	73	75	75	"	"	0	"	
11			"	NW	2	29.99	74	76	74	"	"	0	"	
Noon.			SSE	WNW	2	29.96	74	76	74	"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon 1250 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.														
1			SE by S	NE	1-2	29.90	74	77	75	or	Cir Cum Nimb	0	S	
2			SSE	"	1-2	29.90	74	77	76	"	"	0	"	
3			S by W	"	1-2	29.90	75	77	76	"	"	0	"	
4			SE by S	SE by S	2-3	29.90	75	77	76	bcm	"	1	"	
5			N	SSE	3	29.95	74	75	74	ocm	"	0	"	
6			W	"	3	29.98	73	75	73	"	"	0	"	
7			"	"	3	30.00	73	74	72	"	"	0	"	
8			SW	"	3	30.02	73	74	72	bcm	"	2	"	
9			SSW	"	4	30.05	73	74	72	"	"	1	"	
10			"	"	3	30.05	74	74	72	"	"	1	"	
11			"	"	2-3	30.05	74	74	73	"	"	1	"	
Mid.			"	"	1-2	30.08	74	74	73	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Misty. Damp. Light airs from E.N.E. and N.N.W. first two hours Gentle to fresh breeze from S.S. W. last two. Flood tide Slack water at 3.15

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather overcast Cloudy and misty. Drizzling rain last hour of watch Bar[ometer] rising. Sea smooth Ebb tide At 7.30 Flag Ship made general sig[nal] 3550. Ans[wered].

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast and misty. Calm first hour Light breeze remainder of watch from N.N.W. to W.N.W. At 9.43 had divisional inspection At 10 Comdg Officer inspected ship and crew at quarters afterwards read prayers Upon recommendation of Surgeon sent P.A. Emmons AS. To hospital on shore by order of Comdg Officer Sent a liberty party on shore Swung to ebb at 12.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast. Misty. Light to gentle variable breeze Bar. steady Sea smooth Swung to flood at 1.30.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast. Misty and pleasant. Moderate sea breeze from S.S.E. Swung to ebb at 4.45 By order of Comdg. Officer confined Jns. Donovan 2CF in double irons for fighting and drunkenness.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy but pleasant. Wind light from S.S.E. Bar. rising. Sea smooth Flood tide

Signed C. K. Curtis
Lieut

Moons phase 3 qr. Dec. N. 20 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by E	Calm	0	30.05	74	74	73		o	Cir Nimb	0	S		
2			"	"	0	30.05	73	74	73		"	"	0	"		
3			S by W	"	0	30.05	73	74	73		"	"	0	"		
4			"	SSW	2	30.06	73	73	72		"	"	0	"		
5			W	"	2	30.08	73	73	72		"	"	0	"		
6			NNE	"	1-2	30.08	73	73	72		od	"	0	"		
7			N by W	"	1-2	30.10	72	73	72		"	"	0	"		
8			NW by N	"	0-1	30.11	72	73	72		"	"	0	"		
9			SW	ESE	1	30.13	72	73	72		o	"	0	"		
10			"	"	1	30.15	72	73	72		"	"	0	"		
11			S by W	SSE	1-2	30.15	72	73	72		"	"	0	"		
Noon.			S	"	1-2	30.15	72	73	72		"	"	0	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	1900 "
Water remaining on hand fit for me at Noon			2800 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by W	SSE	1-2	30.15	72	73	72	or	Cum Nimb	0	S
2	"	NW	1-2	30.15	72	73	72	"	"	0	"
3	South	SSW	3-4	30.15	72	73	72	"	"	0	"
4	SSE	E	3-4	30.15	72	73	72	"	"	0	"
5	NNE	"	2	30.11	73	73	72	ord	"	0	"
6	NNW	"	1-2	30.13	73	73	72	orplt	"	0	"
7	N	"	1-2	30.18	73	73	72	otl	"	0	"
8	"	"	1-2	30.17	73	73	72	"	"	0	"
9	NW	Calm	0	30.17	73	73	72	"	"	0	"
10	NNW	N	1-2	30.17	73	73	71	or	"	0	"
11	"	"	1-2	30.20	73	73	71	"	"	0	"
Mid.	N	"	1-2	30.20	73	73	71	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and cool. Calm first three hours. Light breeze last hour from S.S.W. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Drizzling last half of watch. Cum Nimb clouds. Light breeze from S.S.W. At 5.30 swung to ebb Received in Pay. Dept. 155 lbs fresh beef and 155 vegetables for crew

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy and pleasant. Light airs and light breeze from E.S.E. shifting to S.S.E. Bar[ometer] rising slowly. Sea smooth Swung to flood at 8.30 At 10 exercised at guns [&] quarters Time casting loose. 1st Div 3 m[inutes] 15 [seconds], 2nd Div 1 m 30 s, Nav. Div 1 m, Pdr [Powder] 2 m 45 s. Secured in 2 m 45 sec. The following men absent without leave at 8 AM. Jas. Hacteth (OS2c) John Babe 2cGr Francis Giles (3CT) Maurice Clark (C & C) James Hughes (2CF) Andrew McDonald Lds EF. Jns Donavan released from confinement and restored to duty. Crew engaged in overhauling blocks

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Rainy latter part of watch Wind moderate shifting from N.W. by way of S. to E. Cum Nimb clouds Ship riding to flood

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Weather cloudy and rainy. Thunder and lightening to S and W. Bar rising Sea smooth Swung to ebb at 4.20 All the men absent without leave returned on board at 4.30

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast Raining entire watch. Cum Nimb clouds Light N[orther]ly breeze Riding to ebb.

Signed L. P. Jerrett
Master

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NW	South	1-2	30.20	73	73	71		o	Cum Nimb	0	S	
2			S	"	1-2	30.20	73	73	71		"	"	0	"	
3			"	"	1-2	30.15	73	73	71		"	"	0	"	
4			"	"	1-2	30.10	73	73	71		"	"	0	"	
5			SSW	S by W	1	30.08	73	72	72		bc	"	1	"	
6			W by N	"	2	30.10	72	72	72		"	"	1	"	
7			NNW	"	1	30.12	71	71	72		bc	Cir Cum	4	"	
8			NW by N	NE	3	30.13	71	72	72		om	"	0	"	
9			NNE	N	2-3	30.14	71	73	73		bc	"	1	"	
10			SW	"	1-2	30.18	72	74	74		bcm	"	6	"	
11			SE	"	0-1	29.99	73	73	74		"	"	5	"	
Noon.			N by E	"	0-1	29.96	74	76	74		"	"	5	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		200 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for me at Noon		2600 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			South	SSE	5	29.96	74	76	75		bcm	Cir Cum	6	S	
2			"	S	4-6	30.00	74	76	75		"	"	4	"	
3			"	"	4	30.04	74	76	75		"	"	5	"	
4			S by W	"	3	30.04	74	76	74		"	"	2	"	
5			SSW	"	3-5	30.04	74	75	74		"	"	4	"	
6			"	"	5-6	30.06	73	74	73		"	"	5	"	
7			W by N	"	5-6	30.08	70	73	73		"	"	4	"	
8			NW	Calm	0	30.11	70	74	73		"	"	0	"	
9			W	NNW	2	30.15	74	74	73		oml	"	0	"	
10			SSW	NW	1	30.15	74	74	73		omlt	"	0	"	
11			SW	NNW	3	30.09	70	74	72		opb	"	0	"	
Mid.			SSW	"	2	30.09	72	74	70		o	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

*
observed at Sunset
at

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and threatening. Wind light from S. Bar[ometer] rising
Considerable swell setting into harbor Ship rolling about 5° each way. Obscured moonlight
Swung to flood at 1.45.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Misty. Light airs to gentle breeze from S. and S.W. shifting to N. last
hour. Long swell from S. Swung to ebb at 6.15. At 7.30 Flag Ship made general signal 3351
Ans[wered] Received fresh provisions for crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast 1st hour. Clear remainder of watch. Cir Cum Nimb clouds At
8.45 Flag Ship made general signal 5455 Ans and loosed sail Engaged in breaking out hold.
Rove off new flying jib hallards. At 9.30 ship swung to flood. At 11.30 swung to ebb. Light
breeze from N.E. entire watch.

Signed R. H. Henderson
Midn

From Merid. to 4 P.M. Cloudy. Misty Gentle to fresh breeze from S.S.E. and S. Flood tide At 1
flag Ship made prep 4826 and then general 4826. Ans and furled sail At 2 Flag Ship made
general sig 1087. Ans and sent boat. Engaged in breaking out and slowing hold.

Signed Sam. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Very damp Moderate to stiff sea breeze from S. blowing in squalls last
two hours. Riding to flood. At 4.30 Flag Ship made gen. sig. 2985. Ans. Slack water at 6. Long
swell from seaward Swinging to ebb at 7.30 Wind died out towards end of watch Lightening to
S.

Signed R. H. Henderson
Midn

From 8 P.M. to Mid. Overcast. Misty. Passing showers 2nd hour Thunder and lightening first two
hours. Tide turned flood at 9.30 Long swell from S

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW	NW	1-2		30.08	74	74	73		bcm	Cir Cum Nimb	2	S
2			W	Calm	0		30.08	74	74	73		"	"	3	"
3			SSW	"	0		30.08	74	74	73		"	"	3	"
4			"	"	0		30.08	74	74	73		"	"	3	"
5			S by E	"	0		30.05	73	74	73		"	"	5	"
6			SSE	"	0		30.05	73	74	72		om	"	0	"
7			NNW	WNW	0-1		30.07	72	73	72		"	"	0	"
8			"	NW	0-1		30.10	72	73	72		bcm	"	2	"
9			NW	NNW	0-1		30.10	75	75	74		"	"	1	"
10			WNW	"	1		30.10	74	75	74		"	"	3	"
11			SSW	"	2		30.10	74	76	74		"	"	3	"
Noon.			South	SSE	3		30.10	74	76	74		"	"	6	"

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for me at Noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1			S by E	"	5		30.05	74	75	74		bcmf	"	6	S	
2			South	South	4		30.02	74	75	74		"	"	4	"	
3			"	"	4		30.02	74	75	74		"	"	4	"	
4			"	"	4		30.00	74	75	74		"	"	5	"	
5			SSW	S by W	4		30.00	74	75	74		bcm	"	4	"	
6			SW by S	"	2		30.00	74	75	74		"	"	6	"	
7			W by S	Calm	0		30.00	74	75	74		"	"	6	"	
8			NNE	SW	1		30.00	75	76	75		"	"	7	"	
9			NW	Calm	0		30.07	76	76	75		"	"	9	"	
10			SW	"	0		30.07	76	77	75		"	"	9	"	
11			"	"	0		30.02	76	77	75		"	"	9	"	
Mid.			SE by E	"	0		30.02	76	77	75		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Damp. Calm. Riding across the harbor first two hours
Obscured moonlight. At 3.30 swung to flood.

Signed R. H. Henderson
Midn

From 4 to 8 A.M. Cloudy and misty Calm first part from W.N.W. and N.W. At 7.30 Flag Ship
made general signal 3351. Ans[wered]. Swung to ebb at 6.30.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Misty. Pleasant. Light airs to gentle breeze from N.N.W. and
S.S.E. Swung to flood at 10.30 At 9.15 inspected at quarters At 9.45 made interrog[atory] signal
3359. Flag Ship ans. 904. By order of Comdr Thomas Kelly C. of T. was released from
confinement Received in Equip Dept 400 lbs flax canvas and 2 bbls twine and in Pay. Dept 108
bags bread and 5 bbls coffee Engaged in setting up topmast rigging Received from Misrecordia
Hospital notification of the death of P. A. Emmons O.S.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Pleasant. Foggy. Moderate to stiff breeze from S.S.E. to South.
At 3.30 Flag ship made general signal 2984. Ans. and at 3.30 prep[eratory] 5040. Ans. Engaged
in storing bread below and staying masts. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Misty. Calm and light breeze to light airs from S. by W. and S.W. At
sunset went to quarters and served out clean hammocks. Sent flying jib F.T.M. staysail with gaff
topsail. Swung to ebb at 7.15.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Misty. Calm. Long swell. Ship rolling easily. Swung to flood at 11.

Signed C. B. T. Moore
Ensign

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			W by S	Calm	0	30.00	74	74		bcm	Cir Cum	8	S		
2			NNW	NE	0-1	30.00	74	74		"	"	9	"		
3			N by W	"	1	30.00	74	74		"	"	8	"		
4			W	"	1	30.00	74	74		"	"	8	"		
5			SW by W	"	1-2	30.00	74	73		"	"	8	"		
6			WSW	North	1	30.00	74	73		"	"	8	"		
7			N by W	Calm	0	30.00	74	73		"	"	8	"		
8			"	Calm	0	30.08	74	74		"	"	8	"		
9			NNW	"	0	30.00	76	77	76		"	8	"		
10			NW	"	0	30.00	76	77	76		"	8	"		
11			SSW	"	0	29.98	76	78	76		"	8	"		
Noon.			S by W	South	0	29.95	75	78	75		"	8	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			450 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for me at Noon			1950 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SSW	South	1	29.93	77	80	77	bcm	Cir Cum	8	S
2	S by E	"	1	29.90	78	81	78	"	"	8	"
3	WSW	"	2	29.90	79	82	79	"	"	8	"
4	SW	"	2	29.87	79	82	79	"	"	8	"
5	SSE	"	2	29.90	80	83	80	"	"	8	"
6	"	Calm	0	29.90	80	82	80	"	"	8	"
7	N	NNW	1	29.90	80	82	80	"	"	9	"
8	N by W	"	1	29.90	80	82	80	"	"	9	"
9	NNW	NW	1	29.91	79	81	78	"	"	5	"
10	NW	"	1	29.91	78	79	77	"	"	5	"
11	WSW	"	1-2	29.91	78	79	77	"	"	5	"
Mid.	W by N	"	1-2	29.91	77	79	77	"	"	5	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Misty and damp. Calm and light airs from N.E. Swung to ebb. Swung to ebb at 6.15 Long swells from S. Slack water at 3.30.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather clear and warm. Misty around horizon. Bar[ometer] steady Sea smooth. Tide turned ebb at 6.15. At 7.30 Flag Ship made general signal 3351. Ans.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear. Calm. Warm. Sea breeze set in at 11.30. Misty around horizon. At 8.45 Flag Ship made prep 5455. Ans[wered]. and loosed sail. Brought to [blank space] afresh and hoisted in launch. Received in Equip. Dept 50 galley grate bars. Swung to flood at 11.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear. Warm. Misty around horizon Bar. falling sea smooth Flood tide Wind light from south. At 1 Flag Ship made prep 4826 and gen[eral] 48216. Ans. and furled sail. At 1.20 made interrog[etory] 2918. Flag ship answered 904. At 2 went to quarters and turned in clean hammocks Received in Pay Dept. 100 yds sheeting, 50 doz. Pearl buttons 100 pieces of tape, 8 bbls sugar, 6 bbls beans 1 bbls of molasses 2 boxes black tea 5 doz tins blacking and 3 bolts cloth. Lighter with coal and provisions came alongside at end of watch Received in Engineers Dept 3 bbls lime.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear and warm Misty around horizon Light breeze from S. first hour Light breeze commenced at 7. Swung to flood at 7.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Misty . Wind light from S.W. Bar steady Sea smooth. Tide turned flood at 10.30

Signed C. K. Curtis

Moons phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			North	NNW	2		29.90	77	78	77		bc	Cir Cum	9		S
2			"	"	2		29.89	77	78	77		"	"	9		"
3			"	"	3		29.87	77	78	75		"	"	9		"
4			NW	WNW	5		29.87	77	78	76		"	"	8		"
5			"	NW	3-5		29.89	77	78	76		"	"	8		"
6			WSW	"	3-4		29.90	78	78	76		"	"	7		"
7			WNW	"	2-3		29.90	78	80	76		"	"	7		"
8			"	"	2-3		29.90	79	82	76	bcm	"	"	7	"	
9			NW	"	2-3		29.93	81	84	77		"	"	6	"	
10			NW by N	"	2-3		29.95	82	85	79		"	"	6	"	
11			"	NNW	2-3		29.95	82	86	82		"	"	6	"	
Noon.			"	"	2-3		29.95	84	88	82		"	"	6	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			184 gallons.
Water Received during the preceding 24 hours			1300 "
Water remaining on hand fit for me at Noon			2802 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SW		3	29.92	82	85	82	bcm	Cir Cum	5	S
2	"	"	3-5	29.90	80	82	79	"	"	5	"
3	WSW	SSW	3-4	29.90	78	81	78	"	"	6	"
4	S	S	4	29.90	78	82	77	"	"	6	"
5	SW by S	"	3	29.95	78	82	78	"	"	5	"
6	N	NE	1-2	29.97	78	82	78	"	"	5	"
7	NE	"	1-2	29.97	78	81	79	"	"	6	"
8	E	"	0-1	30.03	79	79	78	"	"	4	"
9	N by W	"	0-1	30.03	79	79	77	"	"	3	"
10	NNW	E	1	30.03	79	79	77	"	"	5	"
11	NE	"	2	30.03	78	78	77	"	"	0	"
Mid.	E	"	3	30.03	78	78	76	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant Light to stiff breeze from N.N.W. to W.N.W. Ebb tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Warm. Gentle breeze from N.W. and N.W. by N. Bar[ometer] steady. Sea smooth. Cir Cum clouds. Riding to ebb. At 7.30 Flag Ship made general signal 3351. Received on board fresh provisions for sea.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Clear. Warm. Gentle breeze from N.W. and N.W. by N. Bar. steady. Sea smooth. At 9.05 made interrog[atory] 6143. Flag Ship answered 904. Ans[wered] and sent down top gallant yards. At 9.25 made interrog[atory] signal 6177. Flag Ship answered 904 shifted topsails. Received in Pay Dept 15 boxes tobacco Got spare anchor inboard and stored it in fore hold. Transferred Louis Roth (AS) to Hartford with accts [accounts] and papers. Jeremiah O' Brien 1CF was sent to hospital with bag and hammock.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Warm. Moderate to stiff sea breeze from S. W. shifting to South. Cir Cum clouds. Rigged in first cutter. John Kirk (Sea) jumped from gig while on shore Riding to flood.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Partially cloudy and misty. Gentle breeze from S. first hour shifting to N.E. and decreasing to light airs at end of watch Bar. rising Sea smooth. Tide turned ebb at 4.30. Engaged in making preparations for sea. Received from Hartford Henry Mullins (AS2c) with trumpet, papers, bag and hammock.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast Damp Light breeze from E. Riding to wind Cum Nimb clouds.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec. N. 25°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Making passage from Rio de Janeiro Brazil to Cape Town Cape Good Hope

Hour.	Knots.	Direction.	Force.	Leeway.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
					Direction.	Force.	Height in inches.	Ther. alt'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1		ENE	SSW	0-1	30.05	77	77	75			om	Cir Nimb	0	S		
2		N by W	"	1-2	30.05	75	75	74			"	"	0	"		
3		NNW	"	2	30.05	75	75	74			odm	"	0	"		
4		N by W	"	3-4	30.05	75	75	73			"	"	0	"		
5		S	"	3	30.00	75	74	73			"	"	0	"		
6		S by W	"	3	30.06	75	74	73			or	"	0	"		
7		SSW	"	2	30.10	75	73	73			ocl	"	0	"		
8		SW	SW	2	30.13	74	73	73			"	"	0	"		
9		"	"	2	30.15	73	72	70			"	"	0	"		
10		"	"	3	30.17	71	72	70			"	"	0	"		
11		"	"	3-4	30.18	70	70	69			"	"	0	"		
Noon.		Got underway	"	3-5	30.19	69	69	68			"	"	1	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		240 gallons.
Water		" "
Water remaining on hand fit for me at Noon		2562 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.													
1	3	6	SSE	SW	5-6	30.19	67	67	65	oqd	Cum Nimb	0	N
2	5	6	"	"	5-6	30.18	66	66	64	"	"	0	"
3	5	6	"	"	5-6	30.16	66	66	64	"	"	0	S
4	6	4	SE by E	"	5-6	30.16	65	65	64	"	"	0	"
5	7	3	SE 1/2 E	"	5-6	30.16	66	66	66	"	"	0	0
6	6	0	"	"	5-6	30.19	67	68	66	"	"	0	0
7	7	0	SE by E	SSW	5-6	30.19	66	67	67	"	"	0	0
8	7	0	"	"	5-6	30.19	66	67	67	"	"	0	0
9	6	5	"	"	4-5	30.23	67	68	67	oqr	"	0	"
10	5	5	"	"	4-5	30.23	67	68	67	opq	"	0	"
11	6	0	E	SSE	3-5	30.23	68	68	67	op	"	0	"
Mid.	6	6	E by N	SE by S	3-4	30.23	68	68	67	or	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and misty Light drizzling rain greater part of watch.
Bar[ometer] steady. Sea smooth Ebb tide

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast. Light drizzling rain Light to gentle breeze from S.S.W. swung to flood at 4.30. At 5 started fires in 4 boilers Took off mooring swivel Hove up starboard anchor and to 45 fms [fathoms] port chain. Secured battery for sea. At 7.30 Flag ship made gen[eral] sig[nal] 3350. Ans[wered].

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast Drizzling rain Moderate sea breeze from S.W. At 8.45 made interrog[atory] 6069. Flag Ship answered 904 Crossed top gallant yards royal yards Sent Thomas Hackett to hospital. At 10.25 made interrog 4890. At 12 M got underway and stood out to sea under 4 boilers Draught for'd 14. Amid 14. Aft 16.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Overcast, disagreeable and threatening weather. At 12.25 took departure Fort Santa Cruz abeam. Ship heading S.S.E. At 3.10 at single reefed topsails and foresail. Steaming under 4 boilers Blowing very fresh winds from S. and W. Av[erage] steam pressure 60 lbs Rev[olutions] 42. Unbent chains and secured anchor for sea

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Weather cloudy and ugly Drizzling rain during entire watch. Wind fresh from S.S.W. Bar steady. Sea smooth. Ship under steam and reefed topsails foresail jib for topmast skysail main trysail and spanker. Av. steam pressure 60 lbs. Rev 44.

Signed [unreadable, either Moore or Curtis]

From 6 to 8 P.M. Weather cloudy and ugly. Drizzling mist entire watch. Wind fresh from S.S.W. Bar steady sea smooth Ship under steam and reefed topsails Foresail jib fore topmast skysail main trysail and spanker. Av steam pressure 60 lbs Rev 44.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Drizzling mist. Moderate to fresh wind from S.S.W. 1st part falling light and shifting to S. and E. latter part of watch. At 11 hauled up fore sail. Ship under double reefed topsails foresail jib f[ore] t[op] staysail main trysail and spanker. Av steam pressure 55 lbs. Rev 40. Full and by. Rough sea.

Signed L. P. Jerrett
Master

Examined and found to be correct

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town Cape Good Hope

			WINDS.			BAROMETER.			TEMPERATURE.										
Hour.	Knots.	<div>Calculated TENTHS</div>	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.			
A.M.																			
1	2	4	E by N	SE by S	2-7		30.20	67	67	66	71	od	Cum Nimb	0	M				
2	1	4	E by S	S by E	2-5		30.20	67	67	66	71	"	"	0	"				
3	1	4	ESE	South	2-3		30.18	67	67	66	72	"	"	0	"				
4	1	0	SE by E 1/2 E	"	2-3		30.18	67	67	66	71	"	"	0	"				
5	0	2	E by S	S by E	2-3		30.18	67	67	66	71	"	"	0	"				
6	0	2	E	"	1-2		30.18	67	68	67	72	"	"	0	"				
7	0	6	ENE	SE	3-4		30.23	67	67	67	72	"	"	0	"				
8	2	5	"	"	4-5		30.23	67	67	67	72	"	"	0	"				
9	3	0	SW by S	"	4		30.27	66	67	66	71	"	"	0	"				
10	3	5	SSW 1/2 W	"	4		30.27	66	67	66	71	"	"	0	"				
11	2	0	S by W	SE by E	4		30.27	67	68	66	71	"	"	0	"				
Noon.	2	0	"	"	3		30.27	67	68	67	71	"	"	0	"				
Distance run by Log since preceding Noon											93 knots	Tenths 9 fathoms.							
Latitude by D. R. at Noon											S 23 °	45	'	"					
Longitude by D. R. at Noon											W 42 °	2	'	"					
Latitude by Observations at Noon ⊕											°		'	"					
Longitude by Chronometer from Forenoon Observations ⊕											°		'	"					
Current during the time			knots			fms. per hour, setting to the													
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°		"	"					
Variation of the Compass by Azimuth ⊕ observed at											°		"	"					
Water expended during the preceding 24 hours											332 gallons.								
Water			during the preceding 24 hours																
Water remaining on hand fit for me at Noon											2230								
Coal consumed during the preceding 24 hours											tons	lbs.							
Coal remaining on hand at Noon											"	"							
P.M.																			
1	1	0	S 1/4 W	ESE	2-3		30.22	69	70	68	70	o	"	0	M				
2	2	4	S by W 1/2 W	SE by E	3-4		30.22	69	70	68	70	"	"	0	"				
3	4	0	"	"	4		30.20	69	70	68	70	"	"	0	"				
4	4	6	S by W	SE by E	4		30.20	69	70	68	70	"	"	0	S				
5	4	6	S by W 1/2 W	"	4		30.20	70	70	68	70	"	"	0	"				
6	5	0	SW 1/4 W	"	4		30.20	70	70	68	70	"	"	0	"				
7	4	7	S by W 1/2 W	"	5		30.22	69	70	68	72	"	"	0	"				
8	4	6	S by W 1/4 W	SE	6		30.20	69	70	68	72	bo	"	2	"				
9	4	8	SW by S 1/4 S	"	4-5		30.26	70	70	68	72	"	"	1	"				
10	4		S 1/2 W	ESE	4-5		30.26	71	70	68	72	"	"	1	"				
11	4		S 1/4 W	"	4-3		30.27	70	70	69	72	"	"	1	"				
Mid.	3	5	"	"	4-5		30.27	70	70	68	72	"	"	2	"				
Longitude by Chronometer from Afternoon Observations ⊕											°		'	"					
Longitude by Chronometer Observations											*	°		'	"				
Variation of the Compass by Amplitude											observed at Sunset			°		'	"		
Variation of the Compass by											at			°		'	"		

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and disagreeable. Light drizzling mist. Light to gentle breeze from S.E. by S. and S.E. At 12.05 sighted revolving light two points forward beam At 12.10 stopped steaming & uncoupled propeller. At 12.40 set foresail. At 12.55 revolving light bore N 1/2 E ship head E. At 1 hauled fires. At 2 sounded no bottom at 30 fms [fathoms]

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and drizzling mist. Light airs first part from S. by E. Gentle to stiff breeze latter part S.E. Sea moderate. At 5.15 sighted land bearing N. by W. Ships head E. At 7.30 shook reefs out of topsails and set T. G. sails. Barometer rising rapidly Hydrometer 26

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Weather overcast. Drizzling rain first half of watch. Bar. steady Sea moderate At 8 wore ship to S and W. Wind moderate to gentle from S.E. and S.E. by E. At 10.30 set royals single reefed mainsail and gaff topsail. Density sea water 27.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Cool. Moderate S.E. by E. breeze. Cum Nimb clouds. At 1 set flying jib Spoken by a German brig standing in for Cape Frio Exchanged colors with her At end of watch sail in sight 1 pt on lee beam German brig on lee quarter. Density sea water 25 Full and by

Signed L. P. Jerrett
Master

From 4 to 6 P.M. Overcast and pleasant. Moderate breeze from S. and E. At 6 furled royals and stowed flying jib Took single reefs in topsails. Density sea water 25. Full and by

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Cum Nimb clouds Stiff to fresh breeze from S.E. by S. and S.E. Sea moderate Bar[ometer] rising Density sea water 25.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Wind moderate from S.E. and N.E. Barometer steady Sea moderate. Ship under single reefed topsails T. G. sails single reefed mainsail jib foretopmast staysail and spanker. Weather cloudy towards end of watch Density sea water 26.

Signed C. K. Curtis
Lieut

Moons phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	3	8	SE 1/2 E	ESE 1/2 E	4		30.24	70	71	69		bc	Cir Cum	7	S	
2	4	4	"	"	4		30.20	70	71	69		"	"	8	"	
3	4	5	SE 1/4 E	"	4-5		30.20	70	71	68		"	St Cum Nimb	2	"	
4	4	8	"	"	4-5		30.20	70	70	68		"	"	3	"	
5	5	5	South	ESE	4-5		30.20	70	69	67		"	"	2	"	
6	6	0	SE 1/2 E	"	4-5		30.23	70	70	68		"	"	4	"	
7	5	5	S by E 1/4 E	E by S	4		30.24	70	70	68		"	"	6	"	
8	5	5	SSE 1/2 E	E	4		30.26	71	71	69		"	"	6	"	
9	5	0	SE by S	E by N	4		30.26	71	72	69		"	"	9	"	
10	4	7	"	"	4		30.25	72	73	70		"	"	9	"	
11	4	8	"	"	4		30.25	72	73	70		"	"	2	"	
Noon.	4	4	"	"	4		30.24	72	73	70		"	"	3	"	

[Note in left margin reads "Lat S 25° Long W. 42°"]

Distance run by Log since preceding Noon	104 knots	Tenths 7 fathoms.	
Latitude by D. R. at Noon	South 25 °	23	"
Longitude by D. R. at Noon	W 41 °	55	"
Latitude by Observations at Noon ⊕	S 25 °	11	6 "
Longitude by Chronometer from Forenoon Observations ⊕	W 42 °	3	"
Current during the time	knots	fms. per hour, setting to the	[Note on left margin reads "Sg 615"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise			"
Variation of the Compass by Azimuth ⊕ observed at 7.45 AM	Lat 22° 56'	Westerly 3 °	"
	Long W 42° 14'		
Water expended during the preceding 24 hours		270 gallons.	
Water	during the preceding 24 hours	"	
Water remaining on hand fit for me at Noon		1960 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin reads Lat S 25° 44' Long W 41° 37']

P.M.																
1	4	4	SSE 3/4 E	E by N	4		30.19	72	73	70	74	bc	Cir Cum	6	S	
2	4	5	SSE 1/2 E	"	4		30.18	72	72	69	74	"	"	6	"	
3	5	0	SSE 3/4 E	"	4-3		30.17	71	72	69	74	"	"	7	"	
4	5	8	SE by S	"	5		30.17	71	72	69	74	"	"	7	"	
5	5	8	"	"	5		30.18	71	72	69	74	"	"	7	"	
6	5	0	"	"	5		30.19	71	72	69	74	"	"	4	"	
7	4	8	"	"	4-5		30.18	71	71	68	74	"	"	4	"	
8	5	2	"	"	4-5		30.18	71	70	68	74	"	"	4	"	
9	5	0	"	"	5		30.20	71	71	69	74	"	"	2	"	
10	4	4	"	"	5-7		30.20	71	70	68	73	oq	"	0	"	
11	4	7	"	"	5-7		30.20	70	70	68	73	bcq	"	1	"	
Mid.	5	4	"	ENE	5-7		30.18	70	70	68	73	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"	
Longitude by Chronometer Observations	*		°	'	"
Variation of the Compass by Amplitude	observed at Sunset		°	'	"
Variation of the Compass by	at		°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part. Cloudy latter part of watch. Cir Cum Nimb clouds. Moderate to stiff breeze from E.S.E. Long swell from S. and E. Moon rose at 3.30. Full and by. Ship rolling and pitching considerable.

Signed S. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Moderate to stiff breeze from E. and S. At 7.30 shook out reefs set royals and flying jib. Full and by. Density sea water 25.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear first part. Cloudy latter part of watch. Pleasant moderate breeze from E. by N. Sea moderate Ship under all plain sail. Broke out and overhauled both bower chains. Ship pitching easily Long swell from S. and W. Density 26.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Wind moderate to fresh from E. by N. Bar falling slowly. Ship pitching easily. Long swell S. Ship under all plain sail to royals single reefed mainsail. Density sea water 26.

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Clear. Pleasant. Stiff breeze from E. by N. Cir. Cum clouds. At 5.50 took in royals and flying jib took one reef in topsails and set T. G. sails. Full and by. Long swell from S. Density sea water 26. Ship under single reefed topsails T. G. sails fore sail single reefed main sail jib foretopmast staysail gaff topsail and spanker.

Signed S. P. Jerrett
Master

From 6 to 8 P.M. Clear and pleasant. Moderate to stiff breeze from E. by N. Full and by. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Stiff to very fresh breeze from E. by N. and E.N.E. Sea moderate, Barometer falling slowly latter part of watch. At 8.15 took in and furled T. G. sails Density sea water 26.

Signed C. B. T. Moore
Ensign

Moons phase last qr. Dec. N. 14°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

			WINDS.			BAROMETER.			TEMPERATURE.											
Hour.	Knots.	<div>TENTHS</div>	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.				
A.M.																				
1	5	2	SE by S	ENE	4-5		30.15	70	70	68	73	bc	Cir Cum Nimb	2	S					
2	5	4	"	"	4-5		30.13	70	70	68	72	"	"	2	"					
3	4	5	"	"	4-5		30.11	70	70	67	72	"	"	3	"					
4	4	8	"	"	4-5		30.10	70	70	67	72	"	"	4	"					
5	4	5	"	"	4-5		30.10	69	69	67	72	"	"	4	"					
6	4	5	"	E by N	4		30.12	69	69	68	72	"	"	4	"					
7	5	6	"	ENE 1/2 E	4		30.14	69	69	68	71	"	"	5	"					
8	5	6	"	"	4		30.17	69	69	68	71	"	"	4	"					
9	5	2	"	ENE	4		30.18	70	70	68	72	"	"	2	"					
10	5	0	SSE 3/4 E	E by N	4		30.18	70	70	68	72	o	"	0	"					
11	4	5	"	"	3-4		30.15	70	70	68	71	"	"	0	"					
Noon.	4	6	SE by S	"	4		30.15	70	70	68	71	"	"	0	"					
[Note in left margin reads "Lat S 26° 36" Long W 41° 8""]																				
Distance run by Log since preceding Noon											119 knots									
Latitude by D. R. at Noon											South 26	o	48	'	"					
Longitude by D. R. at Noon											West 40	o	46	'	"					
Latitude by Observations at Noon ⊕											South 26	o	52	'	47	"				
Longitude by Chronometer from Forenoon Observations ⊕											West 40	o	57	'	"					
Current during the time 0 knots 5 tenths																	[Note on left margin reads "Sg. 615"]			
Variation of the Compass by Amplitude ⊕ observed at Sunrise																				
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 26° 36" Long W. 41° 8' 30"											W 3	o								
Water expended during the preceding 24 hours																	310 gallons.			
Water during the preceding 24 hours																	"			
Water remaining on hand fit for me at Noon																	1650	"		
Coal consumed during the preceding 24 hours																	tons	lbs.		
Coal remaining on hand at Noon																	"	"		
P.M.																				
1	3	2	se by s se 1/2 s	ENE	4-5		30.12	69	70	68	70	o	"	0	S					
2	4		"	"	4		30.11	69	70	68	70	"	"	0	"					
3	4	4	"	"	4-5		30.08	69	69	67	70	"	"	0	"					
4	4	8	SE by S	E by N	5-6		30.05	69	69	67	70	"	"	0	"					
5	6	0	SSE 1/2 E	ENE	5-6		30.05	69	69	67	70	bc	"	2	"					
6	4	5	SSE 1/4 E	"	5-6		30.05	68	69	67	70	"	"	4	"					
7	3	6	SSE 3/4 E	"	5-6		30.05	69	69	68	69	"	"	2	"					
8	3	8	SE 1/2 S	"	5		30.05	70	69	67	69	"	"	6	"					
9	4	6	"	"	5-6		30.05	70	68	66	69	bc	"	2	"					
10	5	2	"	"	5-6		30.05	70	68	66	69	"	"	0	"					
11	5	5	"	NE by E	5-6		30.05	70	68	66	69	oq	"	0	"					
Mid.	5	6	"	"	5-6		30.05	70	68	66	69	"	"	0	"					
[Note in left margins reads " Lat S 27° 21" Long W 40° 23""]																				
Longitude by Chronometer from Afternoon Observations ⊕																				
Longitude by Chronometer Observations											*									
Variation of the Compass by Amplitude											observed at Sunset									
Variation of the Compass by											at									

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant. Wind moderate with occasional puffs from E.N.E. Bar[ometer] falling. Long swell from S. Ship under single reefed topsails foresail single reefed mainsail fore topmast staysail jib and spanker.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Pleasant. Moderate E.N.E. breeze. Cir Cum Str clouds. At 4.15 moon rose At 5.50 shook reefs out of topsails, set royals and T. G. sails and flying jib. Long swell from S. Density sea water 26. On course S.E. by S.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Overcast and pleasant. Gentle to moderate breeze from E. by N. At 9.15 inspected at quarters. Exercised at battalion drill. At 10 A.M. placed Henry Hill O.S. in solitary confinement on bread and water for disrespect to Officer Division and profanity By order of Comdr. Density sea water 26.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast. Pleasant. Moderate to fresh breeze from E. by N. and E.N.E. Bar falling slowly. Long swell from S. At 12.15 changed course to S.E. 1/2 S. At 3.25 took in royals and flying jib. Density 26.

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy. Cool. Wind fresh from E.N.E. Bar steady. Long swell from S. At 5.45 furled T. G. sails and took one reef in topsails. Immediately after mustered at quarters. Density sea water 26.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear. Cool. Pleasant. Stiff to very fresh wind from E.N.E. blowing in gusts. Ships under single reefed topsails courses jib foretopmast staysail and spanker. Full and by Density sea water 26. Long swell from S.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Overcast and cloudy. Stiff to very fresh wind from N. and E. blowing in puffs. On course S.E. 1/2 S. Long swell from S. Density sea water 26. At 10 took in gaff topsail.

Signed Saml. C. Lemly
Ensign

Moons phase last qr. Dec. N. 5 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.		

A.M.

1	3	4	SE 1/2 S	NE	4-5	30.03	69	67	67	70	oc	Cum Nimb	0	M
2	4	6	"	"	5-6	30.02	69	67	67	70	ocd	"	0	"
3	4	6	"	"	5-6	30.02	69	67	67	70	oc	"	0	"
4	4	0	SE by S	ENE	5-7	30.00	69	67	67	70	ocd	"	0	"
5	4	6	SSE 3/4 E	E by N	5-6	29.98	69	67	67	69	oqd	"	0	"
6	4	2	"	"	5-6	29.98	68	67	67	69	"	"	0	"
7	5	0	S by E 3/4 E	E	5-6	29.98	68	67	67	69	"	"	0	"
8	5	8	S by E 1/2 E	"	5-6	30.01	68	67	67	69	"	"	0	"
9	7		S by E 1/4 E	"	5-7	30.01	68	67	67	68	"	"	0	"
10	7		"	"	5-7	30.00	68	67	67	68	oq	"	0	"
11	6	2	SSE	"	4-6	30.00	68	66	66	68	"	"	0	"
Noon.	4	8	SE 1/2 S	ENE	4-6	30.00	68	66	66	68	oq	"	0	"

[Note in left margin reads " Lat 28° 14' S Long 45° 8' W Sg 615"]

Distance run by Log since preceding Noon

120 knots

Tenths
8 fathoms.

Latitude by D. R. at Noon

South 28

°

31

'

"

Longitude by D. R. at Noon

West 39

°

41

'

"

Latitude by Observations at Noon ⊕

°

'

"

Longitude by Chronometer from Forenoon Observations ⊕

West 40

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

"

"

Variation of the Compass by Azimuth ⊕ observed at

°

"

"

Water expended during the preceding 24 hours

230 gallons.

Water during the preceding 24 hours

"

[Note on left margin reads "Sg 616"]

Water remaining on hand fit for me at Noon

1420

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	5	5	SSE 1/2 E	ENE	4-5	30.00	68	66	66	68				
2	6	6	SE 3/4 S	"	4-5	29.95	69	67	67	68	oq	Cir Cum Nimb	0	M
3	6	2	"	"	4	29.94	69	67	67	68	"	"	0	"
4	5		SE by S	E by N	4	29.94	69	67	67	68	bcz	"	0	"
5	4	5	SE 1/2 E	"	5	29.94	68	67	67	68	"	"	0	"
6	4	5	SE 3/4 S	"	5	29.94	68	67	67	68	"	"	0	"
7	5	5	SSE 3/4 E	"	4-5	29.97	68	67	67	68	"	"	0	"
8	1	6	"	"	3	29.97	68	67	67	68	"	"	0	"
9	1	5	SE 1/2 E	ENE	2-3	30.00	68	67	67	68	"	"	0	"
10	1		"	"	2-3	30.00	68	67	67	68	"	"	0	"
11	1		SE 3/4 S	"	2-3	29.96	68	67	67	68	ocb	"	0	"
Mid.	1		SE by S	"	2-3	29.96	68	67	67	68	"	"	0	"

[Note in left margin reads Lat S 4° 4' Long W 39° 33']

Longitude by Chronometer from Afternoon Observations ⊕

°

'

"

Longitude by Chronometer Observations

*

°

'

"

Variation of the Compass by Amplitude

observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday September 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Drizzling rain greater part of watch. Wind blowing in gusts moderate to fresh from N.E. Sea moderate. Density 26.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy. Squally. Stiff breeze with fresh puffs from E. by N. & E. Bar[ometer] rising. Sea moderate. Ship under single reefed topsails. One sail in sight at end of watch. Density 26.

Signed C. K. Curtis
Ensign

From 8 A. M. to Merid. Overcast. Squally and rainy. Cum Nimb clouds. Stiff to very fresh wind from E. At 8.15 shook reefs out of topsails and set T. G. sails and gaff topsails. At 9.15 mustered at quarters. At 10.45 took in T. G. sails and gaff topsails. At 11.45 set T. G. sails. Sail in sight at end of watch on lee bow. Full and by. Density 26.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Overcast and hazy. Moderate to fresh breeze from E.N.E. with occasional puffs and wind squalls latter part of watch with moderate. At 1.15 set gaff topsail. At 2.30 set royals and flying jib. Density 26.

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Overcast and disagreeable. Bar steady Sea moderate. Moderate to stiff breeze from E. by N. By order of Comdr. Henry Hill O.S. was released from confinement and restored to duty. At 5.45 took one reef in topsails and took in royals. At 5.55 mustered at quarters. Density 26.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and threatening. Drizzling rain. Wind moderate to stiff from E. by N. Bar rising Sea moderate. At 7.10 took in T. G. sails Density 26.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast Drizzling rain Cum Nimb clouds Light breeze from E. by N. Ship under single reefed topsails courses jib F.T.M. staysail and spanker. Full and by. Density 26.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec S. 21°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	TENTHS.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	1	4	SSE 1/4 E	E by N	5-4		29.95	68	66	66	70	or	Cir Cum Nimb	0	M	
2	1	4	"	"	4		29.92	68	66	66	70	orcb	"	0	"	
3	1	2	SSE	"	5-6		29.88	68	66	66	70	orlm	"	0	"	
4	1	4	SSE 1/2 E	"	6-7		29.86	68	66	66	70	olm	"	0	"	
5	1	2	S	ESE	6-7		29.86	67	66	66	68	"	"	0	"	
6	1	2	"	"	6-7		29.86	67	66	66	68	om	"	0	"	
7	1	7	S by W 1/2 W	SE by E	7-8		29.86	67	66	66	68	"	"	0	"	
8	1	0	Lying to	"	7-8		29.86	67	66	65	68	"	"	0	"	
9	1	5	WSW	E by S	6-8		29.86	67	65	65	67	"	"	0	"	
10	1	5	"	"	6-8		29.87	67	65	65	67	"	"	0	"	
11	1	5	"	"	6-8		29.88	67	66	65	67	Odm	"	0	"	
Noon.	1	5	"	"	6-8		29.88	67	66	65	67	"	"	0	"	

Distance run by Log since preceding Noon	60 knots	Tenths	
Latitude by D. R. at Noon	South 29	18	"
Longitude by D. R. at Noon	West 39	35	"
Latitude by Observations at Noon ⊕			"
Longitude by Chronometer from Forenoon Observations ⊕			"
Current during the time	knots	fms. per hour, setting to the	[Note on left margin reads "Sg 616"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		"	"
Variation of the Compass by Azimuth ⊕ observed at		"	"
Water expended during the preceding 24 hours		240 gallons.	
Water			"
Water remaining on hand fit for me at Noon		1180	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.																
1	1	0	WSW	"	6-8		29.83	67	66	65	67	odm	"	0	M	
2	1	0	"	"	6-8		29.86	67	66	65	67	or	"	0	"	
3	1	0	"	E	6-8		29.86	67	65	65	67	"	"	0	"	
4	1	0	"	"	4-6		29.82	67	65	65	67	"	"	0	"	
5	1	0	S by E	"	4-6		29.84	67	65	65	68	"	"	0	"	
6	1	0	South	ESE	4-6		29.84	67	65	65	68	"	"	0	"	
7	1	0	S by N	"	4-6		29.87	66	65	65	68	"	"	0	"	
8	2	0	"	E by S	6-8		29.87	66	66	65	68	orq	"	0	"	
9	1	5	SW by W	"	4-7		29.90	66	66	65	68	"	"	0	"	
10	1	0	"	"	4-7		29.91	66	65	65	68	"	"	0	"	
11	1	0	"	"	4-7		29.91	66	65	65	67	"	"	0	"	
Mid.	1	0	"	"	4-6		29.91	66	65	65	67	"	"	0	"	
[Note in left margin reads " S 29° 23' W 30° 39']																
Longitude by Chronometer from Afternoon Observations ⊕																
Longitude by Chronometer Observations									*							
Variation of the Compass by Amplitude									observed at Sunset							
Variation of the Compass by									at							

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 26, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and disagreeable. Gentle to moderate breeze from E. and N. Latter part stiff to very fresh from same direction with ugly threatening appearances. Frequent flashes of lightening from S. and E. At 3 hauled up mainsail hauled down and stowed jib braced up spanker took second reef in topsails and hauled up foresail. Density 26.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and ugly. Threatening weather. Fresh breeze to moderate gale from E.S.E. to S.E. by E. Sea rough. Sent down royal yards. Furling courses. At 7 took close reef in topsails. At 7.30 hoisted fore storm staysail and hauled down fore T. M. staysail. Lying to on port tack Ship's head S. by N. Density 26.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Overcast. Cloudy. Drizzling rain Blowing a moderate gale from E. by S. Bar[ometer] rising. Sea rough ship under close reefed topsails for storm staysail and storm mizzen Density 26.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Ugly. Blowing a moderate gale from E. Ship lying to on port tack on close reefed topsails for storm staysail and storm mizzen. Rainy entire watch. Density 26. Rising sea.

Signed L. P. Jerrett
Master

From 4 to 6 P.M. Overcast and disagreeable. Moderate to fresh breeze from E. Occasional mist and wind squalls. Lying to. Rough sea. Density 26. Commenced distilling.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Overcast Squally and rainy. Fresh breeze to moderate gale from E.S.E. Sea rough. Ship rolling and pitching considerably at times. Density 26. Distilling.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy and rainy. Wind freshening in puffs from moderate to very fresh breeze. Bar. rising. Sea rough. Ship rolling and pitching considerably. At 10.30 hauled up courses. Ship under close reefed topsails fore storm staysail and storm mizzen. Distilling. Density 26.

Signed C. K. Curtis
Lieut

Moons phase 1st qr. Dec. S. 9°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	Courses steered.	WINDS.		Force.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Leeway.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1	Drifting	SSW	ESE	4-6	29.90	67	65	65	68	bcq	Cum Nimb				Under close reefed topsails
2		"	"	4-6	29.90	67	64	64	67	ocq	"				fore storm staysail and
3		"	"	4-6	29.90	67	64	64	67	opq	"				storm mizzen
4		"	"	3-5	29.90	67	64	64	67	orq	"				
5	4	"	"	3-5	29.92	67	64	64	67	"	"				
6	4	"	"	3-4	29.92	67	64	64	67	"	"				Took in storm mizzen
7	4	SW by S	SE	3-5	29.95	67	64	64	67	"	"				set storm mizzen and
8	4	SSW	"	3-5	29.95	67	64	64	67	"	"				for and mainsail
9	2	6	S by W	SE by E	4-6	29.98	65	63	63	67	"	"			
10	2	3	S 1/2 W	ESE	4-6	30.00	65	64	64	68	"	"			Same
11	2		S by W 1/2 W	SE by S	4-7	30.01	65	63	63	68	"	"			Double reefed topsail courses
Noon.	2		SW by S	S	4-7	30.00	65	63	63	68	"	"			jib F.T.M. staysail spanker and storm staysail

Distance run by Log since preceding Noon	28 knots	Tenths	
Latitude by D. R. at Noon	South 29 °	32	' "
Longitude by D. R. at Noon	West 39 °	53	' "
Latitude by Observations at Noon ⊕	South 30 °	25	' "
Longitude by Chronometer from Forenoon Observations ⊕	West 40 °	10	' "
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at		°	" "
Water expended during the preceding 24 hours		300 gallons.	
Water during the preceding 24 hours		500 "	
Water remaining on hand fit for me at Noon		1380 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.																
1	3	5	SW by S	SE by S	4-6	30.00	65	63	62	66	opq	Cum Nimb	0	R		
2	3	5	SW 1/2 W	"	4-6	30.02	65	63	62	66	"	"	0	"		Under double reefed
3	3	5	SW by S	"	4-6	30.02	65	63	62	66	"	"	0	"		topsails fore topmast
4	3	6	SSW	SE	4-6	30.02	65	63	62	66	"	"	2	"		staysail storm staysail
5	4		SSW 1/2 W	"	4-6	30.15	64	63	62	66	bcq	"	5	"		and spanker hauled
6	3	8	SSW 1/4 W	"	4-7	30.18	64	63	62	66	bcq	"	5	"		down fore storm stays
7	3	0	S by W	ESE	4-6	30.10	64	62	60	66	"	"	6	"		
8	2	2	"	"	4-6	30.10	64	62	60	66	"	"	6	"		Same
9	2	0	"	"	4-6	30.13	64	61	61	66	"	"	8	"		Double reefed tops.
10	1	5	"	"	4-6	30.17	64	61	61	66	bc	"	3	"		Foresail T.G.M. staysail
11	1	1	"	"	4-5	30.17	64	61	61	66	"	"	5	"		and spanker.
Mid.	0	8	"	"	4-5	30.15	64	61	61	66	"	"	4	"		

[Note in left margin reads "S 29° 28' W. 39° 39'"]

Longitude by Chronometer from Afternoon Observations ⊕		°	' "
Longitude by Chronometer Observations	*	°	' "
Variation of the Compass by Amplitude	observed at Sunset	°	' "
Variation of the Compass by	at	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 27, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Passing showers first hour. Gentle to fresh breeze from E. by S. to S.E. by S. with fresh squalls. Cum Nimb clouds. Ship under close reefed topsails fore storm staysail and storm mizzen. Drifting to N. and W. Density 26. Fires banked in two boilers. Av. steam press[ure] 30 lbs. Distilling.

Signed L. P. Jerrett
Master.

From 4 to 8 A.M. Overcast. Wet and disagreeable. Gentle to fresh breeze from S. and E. Occasional rain squalls. At 6 storm mizzen At 6.30 set storm mizzen fore and mainsail At 7.45 shook out two reefs in topsails. Set F. T. M. staysail and sent down preventer braces. Albatross and Cape pigeons flying about ship Density 26. Distilling.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast rainy and disagreeable. Squally. Moderate breeze to moderate gale from E.S.E. to S.E. by S. At 8.10 shook two reefs out of topsails. At 10.30 shook reef out of topsails set jib T. G. sails and spanker. At 11 carried away lee main top gallant sheet. Took up and furled away weather main topsail reef tackle. Reclinched main topsail sheet Reeving off new reef tackles. Hauled down jib.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Weather ugly wet and disagreeable. Clearing last hour of watch Occasional rain squalls. Moderately fresh breeze from S. E. by S. and S.E. Bar[ometer] rising Sea rough and setting to W. Density 26. Distilling. Rove off new main topsail sheets.

Signed C. K. Custer
Lieut

From 4 to 6 P.M. Cloudy. Cool. Stiff to very fresh wind from S.E. Cum Nimb clouds. Ship full and by under double reefed topsails courses F.T.M. staysail and spanker At 5.55 mustered at quarters Bar unsettled. Density 26. Fires banked in two boilers Av. steam pressure 25 lbs. Distilling.

Signed L. P. Jerrett
Master

From 6 to 8 P.M. Clear and pleasant Moderate to very fresh wind from E.S.E. Considerable flying scud from S. and W. At 6.40 took in and stowed fore storm staysail. Moon set at 6.40. Distilling. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Cool and pleasant. Moderate to fresh breeze from E.S.E. Sea rough. Bar commenced to fall last hour of watch. Ship rolling and pitching heavily at tomes. At 10 took in mainsail. Density 26. Distilling.

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. S. 15 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1	0	9	SSW	SE	3-4		30.15	64	61	60	65	bc	Cir Cum Nimb	3	M		Took in foresail Wore ship
2	0	5	SW by S	"	3-4		30.13	64	61	60	65	"	"	3	"		to N. and E. Set foresail
3	1	2	E by N	ESE	3-4		30.11	63	61	60	65	bcp	"	1	"	Set mainsail	
4	1	9	E 1/2 N	S by E	3-4		30.11	63	61	60	65	bc	"	4	"		
5	1	0	E by S	SSW	4		30.13	63	61	60	65	"	"	4	"	Shook out reefs in topsails	
6	1	4	ESE	S by W	4		30.13	63	61	60	65	"	"	4	"	Set T. G. sails and spanker	
7	1	4	SE by E 3/4 E	"	4-5		30.16	63	61	59	66	"	"	5	"		
8	3	4	ESE	South	4-6		30.16	62	61	59	66	"	"	6	"		
9	5	2	E by S	S by E	4-5		30.20	62	61	60	66	"	"	6	"		
10	4	8	ESE	South	4-5		30.20	62	61	60	66	"	"	6	"	Set royals flying jib	
11	4	2	SE by E 1/2 E	S by W	4-5		30.2	62	61	60	66	"	"	6	"	And gaff topsails.	
Noon.	3	5	"	"	4		30.2	62	61	60	66	"	"	6	"		

Distance run by Log since preceding Noon 60 knots

Latitude by D. R. at Noon South 31 ° 1 ' ~~5 fathoms.~~ Tenth

Longitude by D. R. at Noon West 39 ° 56 ' "

Latitude by Observations at Noon ⊕ South 30 ° 53 ' "

Longitude by Chronometer from Forenoon Observations ⊕ West 40 ° 10 ' "

Current during the time 0 knots 6 tenths per hour, setting to the NW by W [Note in left margin reads "604"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at 8AM Lat S 30° 49' W 4 ° " "

Long W 40° 30'

Water expended during the preceding 24 hours 230 gallons.

Water Condensed during the preceding 24 hours 760 "

Water remaining on hand fit for me at Noon 1910 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1	4	0	SE by E	S by W	4-5	1/4	30.19	61	61	60	66	bcq	"	6	L	Jib F.T. M staysail T. G.
2	4	2	ESE	South	4-5	1/4	30.18	62	61	60	66	bcqp	"	5	"	sails topsail foremast
3	3	4	E by S 1/2 E	"	4-5	1/4	30.18	62	61	60	66	bcq	"	5	"	mainsail gaff topsail
4	4	2	E 1/2 S	"	4		30.18	62	61	60	66	"	"	6	"	and spanker.
5	5	6	E 1/2 N	SSE	4		30.18	62	61	60	67	"	"	5	"	
6	5	0	E 1/4 N	"	4-5		30.20	62	61	60	67	"	"	5	"	
7	4	4	ENE	SE by S	4-5		30.20	62	61	60	67	bc	"	5	"	
8	4	5	E by S	"	4-5		30.20	62	61	60	67	"	"	5	"	
9	4	6	ENE 3/4 E	SSE	4-5		30.20	62	61	60	67	"	"	6	"	All plain sail to.
10	4	0	E by N	"	4-5		30.20	62	60	60	67	"	"	6	"	T. G. sails
11	5		E 1/2 N	"	4-5		30.20	62	60	60	67	"	"	6	"	
Mid.	5	6	E 3/4 N	"	4-5		30.20	62	60	60	67	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Weather rainy. Wind gentle to moderate from S.E. E.S.E. & S. by E. Bar[ometer] falling Moderate sea setting to W. At 1.15 took in foresail At 2.45 course ship to N. and E. Set foresail. Density 26. Distilling. Squally about horizon.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Cool. Pleasant. Moderate to fresh breeze from S.S.W. shifting to S. At 3 set mainsail. At 7.15 shook reefs out of topsails and set T. G. sails and spanker. At 7.45 crossed royal yards. Long swell from S. and E. Density 26. Fires banked in two boilers. Av. steam pressure 25 lbs. Distilling.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Clear and pleasant. Moderate to stiff breeze from S. At 8.15 set royals flying jib and gaff topsail. At 9 took in flying jib. At 9.10 carried away fore royal backstay took in and furled royals. Engaged in fitting new main topsail sheets. At 11.55 set royals. Fires banked in two boilers. Distilling. Av. steam pressure 25 lbs.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Cool. Squally. Moderate to stiff breeze from S. by E. to S. Sea rough. Long swell from S. Bar. steady. At 12.30 took in and furled royals. Rove new main topsail sheets. Fires banked in two boilers. Density 27. Distilling.

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Partially cloudy and pleasant. Gentle breeze from S.S.E. Bar. rising. Long swell from S. Fires banked in two boilers. Distilling. Density 26.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear. Cool. Pleasant. Moderate to stiff breeze from S.E. by S. Ship under all plain sail to T. G. sails. Density 29. Fires banked in two boilers. Av. steam press. 30 lbs. Distilling. At 6 mustered at quarters. Full and by.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear and pleasant. Moderate to stiff breeze from S.S.E. Occasional light wind squalls. Full and by. Distilling. Density 26.

Signed Saml. C. Lemly
Ensign

Moons phase 2nd qr. Dec. S. 20°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.				BAROMETER.				TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.								
A.M.																			
1	4	3	E 3/4 N	SSE	4-5	1/4	30.20	62	61	60	66	bcq	Cum Nimb	7	L	Jib fore topmast staysail			
2	3	8	E by N 1/2 N	SE by S	4-5	1/4	30.20	62	61	59	67	"	"	9	"	T. G. sails courses topsails			
3	4	1	E 3/4 N	"	4-5	1/4	30.17	62	60	59	67	"	"	9	"	gaff topsail and spanker			
4	4	6	E by N 1/4 N	"	3-4		30.17	62	60	59	67	"	"	9	"				
5	3	4	E 3/4 N	SSE	3-4		30.17	62	60	58	67	bc	"	7	"				
6	3	5	E by N	SE by S	3-4		30.17	62	60	58	67	"	"	7	"	Same with royals and			
7	4	0	"	"	3-4		30.18	62	61	59	67	"	"	7	"	flying jib			
8	3	4	"	"	3		30.22	62	61	60	67	"	"	5	"				
9	2		"	"	2-3	1/2	30.23	62	61	60	67	"	"	6	"				
10	2	5	ESE 1/2 E	S	3-4	1/2	30.25	62	62	60	67	"	"	6	"	Took in mainsail and			
11	3		E 3/4 S	"	2-3	1/2	30.25	62	62	60	67	"	"	8	"	Set main trysail.			
Noon.	2		ESE 1/2 E	"	2-3	1/2	30.25	62	62	60	67	"	"	8	"				
[Note in left margin Lat. S 30° 20' Long W 38° 30']																			
Distance run by Log since preceding Noon										95 knots			Tenths 7 fathoms.						
Latitude by D. R. at Noon										South 30 °			42 ' "						
Longitude by D. R. at Noon										West 38 °			23 ' "						
Latitude by Observations at Noon ⊕										South 30 °			26 ' 28 "						
Longitude by Chronometer from Forenoon Observations ⊕										West 38 °			20 ' "						
Current during the time			0	knots	6	tenths fms. per hour, setting to the N				[Note in left margin reads "Sg. 605"]									
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°			" "						
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 30° 26' Long W 38° 20'										W 4 °			30 " "						
Water expended during the preceding 24 hours										230 gallons.									
Water Condensed during the preceding 24 hours										820 "									
Water remaining on hand fit for me at Noon										2500 "									
Coal consumed during the preceding 24 hours										tons			lbs.						
Coal remaining on hand at Noon										"			"						
P.M.																			
1	1	6	ESE 1/2 E	S	2		30.25	62	61	60	67	bcp	Cum Nimb	8	L	Set mainsail took in			
2	2	0	ESE	"	2		30.23	62	61	60	67	"	"	8	"	main trysail furled royal			
3	3	6	"	"	2-5		30.22	62	61	60	67	bcq	"	8	"	and stowed F jib			
4	5	6	"	"	4-5		30.22	62	60	59	67	"	"	2	"				
5	4	0	SE by E	SSW	4-5		30.21	63	59	58	66	bcqp	"	1	"				
6	4		E by N 1/2 N	SE by S	3-4		30.21	64	60	58	66	bc	"	1	"				
7	5	2	ENE 1/4 E	"	3-4		30.21	64	60	58	66	"	"	4	"				
8	6	0	ENE 1/2 E	"	3-5		30.21	64	60	58	66	"	"	4	"				
9	5	2	E 3/4 N	"	4-5		30.21	63	60	58	66	"	"	7	"				
10	5		E by N	"	4-5		30.25	63	60	58	67	bcq	"	6	"	Under all plain sail			
11	4	6	ENE 3/4 E	"	4-6		30.23	63	60	58	67	"	"	5	"	to T.G. sails			
Mid.	3	0	ENE 1/2 E	"	3-6		30.23	63	60	58	67	"	"	4	"				
[Lat 30° 28' S Long 37° 46' N]																			
Longitude by Chronometer from Afternoon Observations ⊕										°			' "						
Longitude by Chronometer Observations										*			° ' "						
Variation of the Compass by Amplitude										observed at Sunset			° ' "						
Variation of the Compass by										at			° ' "						

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Pleasant. Gentle to stiff breeze from S.S.E. to S.E. by S. Sea moderate Long swell from S.E. Bar[ometer] falling slowly. At 1 took in T. G. Sails to a squall and set[?] at 1.08. Fires banked in two boilers. Distilling. Density 27.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Partially cloudy. Cool. Pleasant. Gentle to moderate breeze from S.S.E. to S.E. by S. Bar rising. Long swell from S. and E. At 7.30 set royals and flying jib. Fires banked in two boilers. Distilling. Density 27.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear. Cool. Pleasant. Gentle S[outher]ly breeze. Cir. Cum clouds. At 8.15 took in mainsail set main try sail. At 9.30 Comdg. Officer inspected ship and crew at quarters. Called all hands to muster and read prayers. Long swell from S. and E. Density 27. Ship under all plain sail main trysails [unreadable] of mainsails. Full and by. Av. steam press. 30 lbs. Distilling.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant. Light breeze from S. Occasional passing showers latter part of watch moderate to stiff. At 1 hauled up main trysail and set mainsail. At 2.30 furled royals hauled down and stowed flying jib to a stiff white squall. Full and by. Density 27. Distilling.

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy. Cool. Passing showers of rain first part of watch. Gentle to stiff breeze from S.S.W. to S.E. by S. Sea moderate. Long heavy swell from S. Ship pitching heavily at times. Density 27. Fires banked in two boilers. Distilling.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Partially cloudy. Cool. Pleasant. Wind moderate to S.E. by S. Bar. steady. Long swell from S. Ship rolling and pitching easily. Fires banked in two boilers. Distilling. Density 27.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Clear. Cool. Gentle to fresh breeze from S.E. by S. to S.E. by E. blowing in squalls. Cir Cum clouds. Under all plain sail to T. G. sails. Full and by. Fires banked in two boilers. Av. press 25 lbs. Distilling. Density 27. Long swell from S. and E.

Signed L. P. Jerrett
Master

Moons phase 1st qr. Dec. S. 24°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Lee-way.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1	4	4	East	SSE	3-5	1/4	30.20	62	58	58	65	bcq	Cir Cum	8	L		
2	5	0	"	S	3-5	1/4	30.23	62	58	58	65	"	"	8	"		
3	4	4	ESE	"	4-5	1/4	30.20	61	58	58	65	"	"	8	"		
4	5	0	SE by E 1/4 E	S by W	4-5	1/4	30.20	61	58	58	65	"	"	8	"		
5	6	3	SE by E	"	4-6	0	30.20	61	59	59	66	"	"	1	"		
6	6	6	SE by E 1/2 E	"	5-6	1/4	30.20	61	59	59	66	"	"	3	"		
7	5	5	SE	SSW	5-6	1/4	30.22	61	59	59	66	"	"	5	"		
8	3	8	SE 1/4 E	"	4-5	1/4	30.24	61	59	58	66	"	"	7	"		
9	5	6	ESE	S	4-5		30.24	61	59	57	66	"	"	7	"		
10	6	0	E 3/4 S	S by E	4-5		30.27	61	60	57	66	"	"	4	"		
11	6	5	E by N	SSE	4-6		30.27	61	60	58	66	bcq	"	4	"		
Noon.	5	8	E	"	4-7		30.27	61	60	58	66	"	"	4	"		

Distance run by Log since preceding Noon

114 knots

Tenths
6 fathoms.

Latitude by D. R. at Noon

South 30 ° 32

Longitude by D. R. at Noon

West 36 ° 16

Latitude by Observations at Noon ⊕

South 30 ° 15

30

Longitude by Chronometer from Forenoon Observations ⊕

West 36 ° 27

Current during the time knots 8 tenths
fms. per hour, setting to the

N.W. by N.

[note in left margin reads "605"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

"

"

Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat 30° 20' S
Long 36° 54' W.

W 4

°

40

"

"

Water expended during the preceding 24 hours

216 gallons.

Water during the preceding 24 hours

300

"

Water remaining on hand fit for me at Noon

2600

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	7		E 1/4 S	"	4-6	1/2	30.23	61	60	58	66	"	"	6	L	
2	4	5	E 1/2 N	"	5-6	1/2	30.22	61	60	58	66	bc	"	7	"	
3	6	5	E 3/4 N	"	5-7	1/2	30.22	61	60	58	66	bcq	"	6	"	
4	6		E 1/2 N	"	4-6	1/2	30.22	61	60	58	66	bcq	"	7	"	
5	6		E by N	SE by S	4-6	1/2	30.22	61	60	58	66	"	"	7	"	
6	6	6	"	"	5-6	1/2	30.22	61	60	58	66	"	"	7	"	
7	2	5	E by S	S by E	3-5	1/2	30.25	61	60	58	66	"	"	5	"	
8	2	2	E 1/2 S	"	3-4	1/2	30.23	61	60	58	66	"	"	6	"	
9	2	5	"	"	3-4	1/2	30.27	62	60	58	66	"	"	6	"	
10	2	2	E 12 N	SSE	3-4		30.27	62	59	58	66	"	"	5	"	
11	3	5	E	"	3-4		30.27	62	59	58	66	"	"	6	"	
Mid.	4		E 1/2 N	"	3-4		30.27	62	59	58	66	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊕

°

"

"

Longitude by Chronometer Observations

*

°

"

"

Variation of the Compass by Amplitude

observed at Sunset

°

"

"

Variation of the Compass by

at

°

"

"

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Pleasant. Gentle to stiff breeze from S. Wind instantly blowing in puffs. At 1 hauled fires. Stopped distilling. Density 27.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Moderate breeze fresh gusts from S. by W. and S.S.W. Sea moderate. Long swell from S. Ship pitching heavily at times. Bar[ometer] rising slowly. At 5.50 took in T. G. sails and gaff topsail. Density 27. At 8 set T.G. sails and gaff topsail.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Partially cloudy. Cool. Squally last half of watch. Wind moderate to fresh from S.S.E. Long swell setting to N. Bar. rising. At 9.15 mustered at quarters. Instructed 1st and 2nd sections in signal instruction. At 11.30 took in T.G. sails to a squall. At 11.45 set T.G. sails. Density 26.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Cool. Pleasant. Moderate to fresh breeze from S.S.E. blowing in squalls. At 12.10 took in T.G. sails to a squall. At 2.30 set T. G. sails. Long swell from S.E. Ship under all plain T.G. sails. At 12.40 changed course to S.E. Full and by. Broke out and bent mizzen storm staysail.

Signed L. P. Jerrett
Master

From 4 to 6 P.M. Clear and pleasant. Moderate to stiff breeze from S.E. by S. At 5.30 set mizzen staysail. At 5.50 took in mizzen staysail. Moderate sea Under all plain sail to T.G. sails. Full and by. Density 26.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Gentle to stiff breeze from S. by E. Bar steady Sea moderate. Swell from S. At 6.30 took in T.G. sails and took single reef in topsails At 6.10 mustered at quarters. Density 26.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Cool. Moderate breeze from S. by E. to S.S.E. Bar falling slowly. Sea moderate Ship under single reefed topsails Courses F.T.M. stays jib and spanker. Density 26.

Signed C. K. Curtis
Lieut

Moons phase 1st qr. Dec. S. 26 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	4	5	E 1/2 S	S by E	4-6	1/2	30.25	61	60	58	66	bcq	Cir Cum	9	L	Under single reefed topsails
2	3	8	E 3/4 S	"	4-6	1/2	30.25	61	60	58	66	"	"	8	"	courses jib F.T. M. staysail
3	3	2	E by S	"	4-6	1/2	30.20	61	60	58	66	"	"	7	"	and spanker
4	2	5	ESE 3/4 E	"	4-6	1/2	30.20	61	60	58	66	"	"	7	"	
5	2	2	East	SSE	2-5		30.20	61	58	58	66	"	"	7	"	
6	2	0	E by S	S by E	2-5		30.20	61	60	58	66	"	"	7	"	Shook reefs out of tops.
7	3	8	ENE 1/2 E	SE by S	3-5		30.24	61	60	58	66	bc	"	8	"	Set T.G. sails
8	4	8	E 1/2 N	SSE	4-5		30.24	61	60	58	67	"	"	8	"	
9	4	5	E 1/4 N	"	3-5		30.23	61	60	58	67	"	"	8	"	
10	3	6	E	"	3-4		30.23	61	60	58	67	"	"	7	"	
11	4	5	E by N	"	4		30.23	61	61	58	67	"	"	7	"	All plain sail
Noon.	4	8	E by N 3/4 N	"	4		30.23	61	61	58	67	"	"	6	"	to T.G. sails

Distance run by Log since preceding Noon 96 knots
Latitude by D. R. at Noon South 29 ° 58 ' fathoms.
Longitude by D. R. at Noon West 34 ° 39 ' fathoms.
Latitude by Observations at Noon ⊕ South 29 ° 39 ' 45 "
Longitude by Chronometer from Forenoon Observations ⊕ West 34 ° 42 ' 30 "
Current during the time knots 8 tenths per hour, setting to the N [Note in left margin reads "Sq 617"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat S 29° 45' Long W 35° 1' West 7 ° 15 " "
Water expended during the preceding 24 hours 216 gallons.
Water during the preceding 24 hours "
Water remaining on hand fit for me at Noon 2384 "
Coal consumed during the preceding 24 hours tons lbs.
Coal remaining on hand at Noon " "

P.M.																
1	4	5	E by N	SE by S	4		30.22	61	62	60	68	bc	Cir Cum Nimb	5	M	
2	4	8	E	SSE	4		30.22	62	62	60	68	"	"	5	"	Under all plain
3	3	4	W by S	S	4-5		30.20	63	62	60	68	"	"	6	"	Sail to T. G. sails.
4	6		WSW 1/2 W	"	4-5		30.20	63	61	59	68	"	"	3	"	
5	5		"	"	4-5	1/4	30.18	63	61	59	69	"	"	4	"	
6	4		WSW	"	3-5	1/4	30.18	63	61	59	69	bcq	"	3	"	
7	4		SW by W 1/2 W	S by E	3-5		30.20	63	61	59	67	o	"	0	"	Same [note in left margin read "Sg 605"]
8	4	4	"	"	3-5		30.20	63	61	59	67	o	"	0	"	
9	4	3	SW by W	"	4-5		30.20	63	61	59	67	bc	"	4	"	
10	2	5	SW by S	SE by S	3-4		30.20	63	61	59	67	"	"	4	"	
11	2	5	"	"	3		30.20	63	61	59	67	"	"	2	"	
Mid.	2	5	SW 3/4 S	SE	3		30.20	63	61	59	67	"	"	1	"	
[Note in left margin reads "S 29° 50' W 34° 58' "]																
Longitude by Chronometer from Afternoon Observations ⊕										°	'	"				
Longitude by Chronometer Observations										*	°	'	"			
Variation of the Compass by Amplitude										observed at Sunset	°	'	"			
Variation of the Compass by										at	°	'	"			

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday October 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Cool Moderate to fresh breeze from S. by E. blowing in gusts. Cir Cum Nimb clouds Bright starlight Full and by Under single reefed courses jib fore topsail staysail and spanker Long swell from S. and E. Density 26.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Light to stiff breeze from S. and E. blowing in gusts Squally and rainy during first part of watch. At 7.30 shook reefs out of topsail and set T. G. sails Full and by. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear and pleasant. Gentle to stiff breeze from S.S.E. to S.E. by S. Bar[ometer] steady. Long swell from S. At 9.15 mustered at quarters. Exercised companys A & B and Marine Guard at at [sic] small arms By order of Comdr. Jas Hennesy 1CT was rated to Mach, Henry Lawrence 2CT to 1CT, M. Wogan J. W. Scott and John E. Kirk Sea to coxswains. James Gillespie and W. E. Hays [unreadable] sea to Captains of Afterguard from this day inclusive. Density 26.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Partially cloudy. Cool. Wind moderate to fresh from S.E. by S. and S. Bar. falling slowly. Sea moderate setting to N. and E. At 2 tacked ship carried away fore top gallant shroud. Density 26.

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy. Cool. Cir Cum clouds. Gentle to stiff breeze. Cum Nimb clouds. Passing showers first hour. Ship full and by under all plain sail to T. G. sails. Density 26. Long swell from S. and E. At 6 mustered at quarters. Bar steady.

Signed L. P. Jerrett
Master

From 6 to 8 P.M. Overcast Pleasant Gentle to stiff breeze from S. by E. Ship full and by under all plain sail to T. G. sails. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy Pleasant Gentle to stiff breeze from S. by E. to S.E. Long swell from S.E. Bar steady. Density 26.

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. 27 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	4		SW 1/2 S	SE by S	4	1/2	30.23	63	60	58	67	bc	Cir Cum	2	M	Under all plain
2	4	5	SW 3/4 S	"	4	1/2	30.22	63	60	58	67	"	"	2	"	Sail to T.G. sails.
3	4	5	SW by W	"	3-4	1/2	30.22	62	60	58	67	"	"	1	"	
4	5		SSW 1/2 W	SE	4-6		30.22	62	60	58	67	"	"	2	"	
5	4	6	S by W 1/4 W	SE by E	4-5		30.20	62	61	59	67	"	"	2	"	
6	8		S 3/4 W	"	4-5		30.23	62	61	59	67	"	"	1	"	
7	5	2	S 1/2 W	"	4-5		30.21	62	61	59	67	"	"	1	"	
8	4	6	"	SE	4-6		30.22	62	61	59	67	"	"	2	"	
9	5	2	SSW	"	4-5		30.25	64	62	60	66	"	"	2	"	
10	3	6	S	ESE	3-4		30.28	64	63	60	66	"	"	6	"	Set royals and hauled
11	4	0	"	"	3-4		30.28	64	63	60	66	"	"	6	"	down flying jib
Noon.	4	6	"	"	3-4		30.28	64	63	60	66	"	"	6	"	

[Note in left margin, by 8AM, reads " S 30° 28' W 35° 26'"]

Distance run by Log since preceding Noon	94 knots	Tenths 4	fathoms.
Latitude by D. R. at Noon	South 30	°	50
Longitude by D. R. at Noon	West 35	°	17
Latitude by Observations at Noon ⊕	South 30	°	44
Longitude by Chronometer from Forenoon Observations ⊕	West 35	°	45
Current during the time	knots	tenths	hrs. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"
Variation of the Compass by Azimuth ⊕ observed at		°	"
Water expended during the preceding 24 hours			216 gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for me at Noon			2168 "
Coal consumed during the preceding 24 hours		tons	lbs.
Coal remaining on hand at Noon		"	"

P.M.																Under all plain sail
1	4	5	S by E	E by S	4		30.25	64	63	59	66	"	"	6	L	
2	5	5	"	"	4		30.25	64	63	59	66	"	"	6	"	
3	6	0	"	"	5		30.23	64	63	59	66	"	"	7	"	
4	5	8	S by E 1/2 E	"	5		30.23	64	62	59	66	"	"	7	"	Same
5	6	0	SSE	East	5		30.23	65	62	59	66	"	"	2	"	
6	5	5	SE by S	E by N	5		30.23	65	62	59	66	"	"	3	"	
7	5	5	"	"	5		30.23	65	62	59	66	"	"	4	"	
8	5	5	"	"	5		30.23	65	62	59	66	"	"	6	"	Took in royals
9	5	2	"	"	5		30.25	65	62	59	66	"	"	3	"	
10	5	2	SE 1/2 S	NE by E	4		30.25	65	62	59	66	"	"	4	"	
11	5	6	"	"	4		30.27	65	62	59	66	"	"	2	"	
Mid.	5	6	"	"	5		30.27	65	62	59	66	"	"	1	"	

[Note in left margin by 8 PM reads " S 31° 22' W 35° "]

Longitude by Chronometer from Afternoon Observations ⊕		°	"	"
Longitude by Chronometer Observations	*	°	"	"
Variation of the Compass by Amplitude		°	"	"
Variation of the Compass by	at	°	"	"

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday October 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Wind moderate with fresh puffs from S.E. by S. and S.E. Bar[ometer] falling slowly. Sea moderate, setting to N. and E. Density 26.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Cool. Moderate to stiff breeze from S.E. by S. Com Nimb clouds Ship under all plain sail to T. G. sails. Full and by. Long swell from S. and E. Density 26.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Clear and pleasant. Gentle to stiff breeze from S. and E. Cir Cum Str clouds. At 10.10 set royals and flying jib. At 10.30 hauled down and stowed flying jib. Full and by. Density 27. At 9.15 inspected at quarters.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Moderate to stiff breeze from E. by S. Long swell from S. and E. Ship under all plain sail except flying jib. Density 27.

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy. Pleasant. Stiff breeze from E. and E. by N. Bar[ometer] steady. Long swell from S. and E. Ship under all plain sail except flying jib. Density 27.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Cloudy. Cool. Pleasant. Moderate to stiff breeze from E. by N. At 6.10 mustered at quarters. At 6.20 took in and furled royals. Ship under all plains sail to T. G. sails. On course S.E. by S. Long swell from S. and E. Density 27.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear and pleasant. Moderate to stiff breeze from S. and E. Cir Cum clouds. Partially overcast latter part of watch. On course S.E. 1/2 S. Density 27.

Signed Saml. C. Lemly
Ensign

Moons phase 1st qr. Dec. S. 26°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.		Courses steered.	WINDS.		Force.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Leeway.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	5	8	SE 1/2 S	NE		4-5	30.24	63	62	60	66	o	Cum Nimb	0	L	Under all plain
2	6	0	"	NE by E		4-5	30.23	63	62	60	66	"	"	0	"	Sail to T. G. sails
3	6	5	"	"		4-6	30.20	63	62	59	66	"	"	0	"	
4	6		"	"		4-6	30.20	63	62	59	66	"	"	0	"	
5	6		"	"		4-6	30.20	63	62	59	66	"	"	0	"	
6	6		"	"		4-6	30.20	63	62	59	66	"	"	0	"	
7	7	5	"	"		5-7	30.21	63	62	59	66	"	"	0	"	Same
8	7	2	"	"		5-7	30.23	63	62	59	66	"	"	0	"	
9	7	4	"	"		5-6	30.24	64	62	59	66	bc	"	1	"	
10	7	5	"	"		5-6	30.24	64	63	59	66	"	"	2	"	Set main top mast stays
11	8	5	"	"		5-7	30.22	64	63	60	66	"	"	5	"	and mizzen staysail
Noon.	7	5	"	"		5-7	30.22	64	63	60	66	"	"	7	"	

[Note in left margin by 8 AM reads "S 32° 20' W 34° 15'"]

Distance run by Log since preceding Noon	147 knots	Tenths 8	fathoms.
Latitude by D. R. at Noon	South 32 °	31	"
Longitude by D. R. at Noon	W 33 °	30	"
Latitude by Observations at Noon ⊕	S 32 °	38	30 "
Longitude by Chronometer from Forenoon Observations ⊕	W 33 °	50	30 "
Current during the time knots 8 tenths fms. per hour, setting to the	W 2° S		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	" [Note in left margin reads "Sq 606"]
Water expended during the preceding 24 hours		216 gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for me at Noon		1952	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.																
1	4	2	se 1/2 s	NE		6-7	30.20	64	63	60	65	bc	"	2	M	Set royals took in
2	6	8	se	"		6-7	30.19	64	63	60	64	"	"	3	"	royals
3	9	6	"	"		6-7	30.17	64	63	60	64	"	"	4	"	
4	10	0	"	NE by N		6-7	30.17	64	63	60	63	"	"	3	"	
5	9	4	"	"		6-7	30.14	64	62	60	65	"	"	1	"	All plain sail
6	9	2	"	"		6-7	30.14	65	62	60	65	"	"	1	"	single reefed top
7	8	0	SE 1/2 E	"		6-7	30.14	65	61	60	65	o	"	0	"	and T. G. sails
8	9	2	"	"		6-7	30.14	65	61	59	65	"	"	0	"	
9	9	7	"	"		5-7	30.13	64	61	59	63	"	"	0	"	Took in T. G. sails
10	9	3	"	"		5-7	30.13	64	61	59	61	"	"	0	"	and spanker
11	8	8	"	NNE		5-7	30.10	64	61	59	61	"	"	0	"	
Mid.	6	5	"	"		5-8	30.06	63	61	59	61	"	"	0	"	Took second reef in topsails
1	5		E by S	"								"	"			

[Note by 8 PM reads " S 33° 2' W 32° 38' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday October 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and pleasant. Moderate to fresh breeze from N.E. to N.E. by E. Sea smooth. Bar[ometer] falling slowly. At 1.40 took in T. G. sails reset them at 1.50 Density 26.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy. Cool. Moderate to stiff wind with occasional puffs from N.E. by E. Bar rising Sea smooth. Ship under all plain sail to T.G. sails. Density 27.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy first part. Clear and pleasant remainder of watch. Cir Cum Nimb clouds. Moderate to very fresh breeze from S.E. by E. At 9.15 inspected at quarters exercised company A at single sticks Got up and bent main topmast staysail At 10.10 set main topmast staysail. At 10.20 hauled down main topmast staysail set up sky and reset it. Ship under all plain sail to T.G. sails main topmast staysail and mizzen staysail. On course S.E. 12 E. Long swell from E. Density 26.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear. Pleasant Cum Nimb clouds. Fresh to very fresh breeze from N.E. At 12.15 changed course to S.E. At 1 set royals. At 1.40 furled royals. On course S.E. Ship under all plain sail to T.G. sails main topmast and mizzen staysails. Moderate sea. Density 26.

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy. Pleasant. Fresh to very fresh breeze from N.E. by N. Ship on course S.E. Under all plain sail to T. G. sails with main topmast staysail. Density 26 Sea smooth.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy. Cool. Very fresh breeze from N.E. by N. Bar steady Sea moderate. At 6 called all hands reef topsails clewed up T.G. sails took one reef in topsails and set T.G. sails. Took in main topmast staysail and gaff topsail. Changed course to S.E. 1/2 E. Density 26

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Cloudy. Very fresh wind from S. and E. blowing in squalls. At 9.30 took in T.G. sails. At 9.40 took in spanker. At 11.30 clewed down topsails and took second reef hauled down jib. Density 26 Ship under reefed topsails courses and fore topmast staysail. Sea rough Bar falling.

Signed L. P. Jerrett
Master

Moons phase 2nd qr. Dec. S. 24°

Examined and found to be correct

Signed Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	9		SE 1/2 E	NNE	8		30.06	64	60	59	63	o	Cir Cum Nimb	0	I	Double reefed topsail,
2	9		"	"	8		30.03	64	60	59	63	"	"	0	"	foremast, mainsail and
3	9		"	N	8		30.02	64	60	59	63	"	"	0	"	F.T.M. staysail
4	8	5	"	"	8		30.00	64	60	59	63	"	"	0	"	
5	8	5	"	"	7-8		29.98	63	62	60	61	"	"	0	"	
6	8	6	"	"	7-8		29.98	63	62	60	61	"	"	0	"	F.T.M. staysail course
7	8	6	"	"	7-8		29.99	63	62	60	61	"	"	0	"	single reefed top sails,
8	9	5	"	"	7-8		29.99	63	62	60	60	"	"	0	"	T.G. sails
9	9	5	"	"	7-8		29.97	64	61	60	60	"	"	0	"	
10	9	4	"	"	7-8		29.96	64	61	60	60	"	"	0	"	
11	9	8	"	"	7-8		29.95	64	61	60	60	"	"	0	"	
Noon.	8		"	"	7-8		29.95	64	61	60	60	"	"	0	"	Same

[Note in left margin, at 8 AM, reads " S 34° 20' W 31° 10'"]

Distance run by Log since preceding Noon	217 knots	Tenths	
Latitude by D. R. at Noon	South 34	34	30
Longitude by D. R. at Noon	West 30	10	30
Latitude by Observations at Noon ⊕			
Longitude by Chronometer from Forenoon Observations ⊕	West 30	22	
Current during the time knots tenths			
per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise			
Variation of the Compass by Azimuth ⊕ observed at			
Water expended during the preceding 24 hours		216 gallons.	
Water during the preceding 24 hours			
Water remaining on hand fit for me at Noon		1706	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon			

[Note in left margin reads "Sg. 606"]

P.M.																
1	10	7	SE by E	N	7-8		29.92	63	61	60	60	or		0	R	
2	10	7	"	"	7-8		29.88	63	60	59	60	"	"	0	"	[Note in left margin at 2 PM reads "Sg 607"]
3	10	0	"	"	7-8		29.85	63	59	59	60	"	"	0	"	Close reefed foresail and
4	9	5	"	"	7-8		29.85	63	59	58	60	"	"	0	"	topsails set mizzen &
5	9	4	"	"	8		29.82	63	59	60	60	"	"	0	"	fore storm sails
6	5	0	E by S	"	8		29.75	62	59	60	60	ore	"	0	"	
7	6	5	SE by E	"	8		29.75	62	59	60	60	"	"	0	"	[Note in left margin at 7 PM reads "Sg 595"]
8	7	5	"	"	8		29.78	62	60	60	60	"	"	0	"	[Note in left margin at 8 PM reads "S 35° 02' W 29° 6'"]
9	8	6	"	"	8		29.77	62	60	60	60	"	"	0	"	Close reefed fore & main
10	8	6	"	NW	8-9		29.78	62	60	60	60	"	"	0	"	topsails furled fore
11	9		"	"	8-9		29.74	62	62	60	60	"	"	0	"	Tops and hove ship to
Mid.	5		"	"	8-10		29.70	62	62	60	60	"	"	0	"	Under close reefed main

And storm mizzen staysails

Longitude by Chronometer from Afternoon Observations ⊕			
Longitude by Chronometer Observations	*		
Variation of the Compass by Amplitude	observed at Sunset		
Variation of the Compass by	at		

under the command of Commander W. Scott Schley, U. S. Navy.
Friday October 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast Moderate gale from N. and E. Ship laboring considerably On course S.E. 1/2 E. Rough sea Cir Cum Nimb clouds Density 26.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Cool. Very fresh breeze to moderate gale from N. Cum Nimb clouds. Sea rough Ship rolling and pitching heavily At 7.15 shook one reef out of topsails and set T. G. sails. Density 26.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Disagreeable. Drizzling rain last part of watch. Very fresh breeze from N. Bar[ometer] rising Sea moderate At 9.15 exercised at fire quarters. Density 26.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast Rainy Moderate gale from W. Cum Nimb clouds At 12 changed course to S.E. by E. At 12.30 hauled down main topmast staysail. At 2.15 took in T. G. sails and sent down royal yards At 2.30 hauled down jib Ship under single reefed topsails courses and fore topmast staysail Sea rough. Density 26. Bar falling

Signed L. P. Jerrett
Master

From 4 to 6 P.M. Overcast disagreeable and threatening. Moderate gale from N. Drizzling rain Rough sea Rolling heavily. At 5 took close reef in topsails and foresail. Furled mainsail hauled down and stowed F. T. staysail Set F.S. staysail Got up preventer braces. At 5 changed course to E. by S. to assist in reefing At 6 on course S.E. by E. Density 26. Bar. falling steadily.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Overcast and rainy Ugly threatening weather. Moderate gale from N. Bar. rising Sea rough. Sent down T. G. yards. Density 26.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Disagreeable. Raining latter part of watch Blowing a very strong gale from N. and N. by W. Bar falling Sea very rough. Ship rolling and pitching heavily. At 9 started fires in four boilers Took in fore topsail and brought ship by the wind Set mizzen storm staysail and storm mizzen Density 26.

Signed C. K. Curtis
Lieut

Moons phase 2nd qr. Dec. S. 20°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.		Force.	BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds by symbols.	Prop. of Clear Sky in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			ENE	North	9		29.68	61	60	60	60	o	Cum Nimb	0	R	Took in fore storm
2			"	"	9		29.65	60	60	60	60	"	"	0	"	staysail
3			NE	"	9		29.68	60	60	60	60	"	"	0	"	
4			"	"	8-9		29.65	60	60	60	60	"	"	0	"	Took in main topsail
5			NE by N	N by W	8-9		29.62	61	59	59	60	"	"	0	"	
6			"	"	8		29.62	61	59	59	60	"	"	0	"	
7			NE by N 1/2 N	NNW	7-8		29.62	61	59	59	60	"	"	0	"	Set fore storm staysail
8			"	"	7		29.68	61	59	59	60	"	"	0	"	And close reefed main
9	2	5	SE by E 1/2 E	"	4-5		29.	66	59	59	60	"	"	0	"	topsail
10	4	3	"	"	4-5		29.	68	60	60	60	"	"	0	"	Set single reefed fore
11	4	3	"	"	4-5		29.	68	60	60	59	"	"	0	"	Topsail and single
Noon.	5	0	"	"	5		29.	68	61	61	59	bc	"	0	"	Reefed foresail and F T M staysail

Distance run by Log since preceding Noon

116 knots Tenths 6 fathoms.

Latitude by D. R. at Noon

South 35

Longitude by D. R. at Noon

W 28

Latitude by Observations at Noon ⊕

S 35

Longitude by Chronometer from Forenoon Observations ⊕

Current during the time knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise

Variation of the Compass by Azimuth ⊕ observed at 9 AM Lat 35° 24' S Long 28° 3' W

W 8

Water expended during the preceding 24 hours

280 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for me at Noon

1456

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

P.M.

1	13	8	se by e 1/2 e	NW by N	4-5	29.65	68	62	61	59	bcq s	Cum Nimb	2	R	Single reefed topsails
2	5	2	"	NW	4-5	29.65	68	61	61	59	"	"	2	"	main top gallant sail
3	4	4	"	WNW	4	29.67	68	62	61	59	"	"	5	"	single reefed foresail
4	4	0	"	"	4	29.67	68	62	61	59	"	"	5	"	
5	5	4	"	West	4	29.66	68	60	60	59	"	"	7	"	
6	5	8	"	"	4	29.66	68	61	60	59	"	"	7	"	
7	5	6	"	"	4	29.67	66	60	59	60	"	"	8	"	
8	6	0	"	"	4	29.68	66	59	59	60	"	"	2	"	[Note in left margin at 8 PM reads "S 35° 40' W s5° 2'"]
9	5	3	"	"	4	29.70	66	59	59	60	"	"	3	"	T. G. sails single
10	4	8	"	"	4	29.70	65	59	59	58	bc	"	9	"	reefed topsails and
11	4	8	"	WSW	5-6	29.70	65	58	58	58	"	"	6	"	single reefed foresail
Mid.	6	0	"	"	5-6	29.70	65	57	58	58	ocp	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕

Longitude by Chronometer Observations

Variation of the Compass by

observed at Sunset

Variation of the Compass by

at

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday October 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Ugly. Blowing a fresh gale from N. At 12.30 hauled down fore stormstaysail At 2.45 took in and furled main topsail Commenced steaming under 4 boilers Lying to under mizzen storm and storm mizzen staysail Heading N.E. Av[erage] steam pressure 40 lbs. Rev[olutions] 20. Density 26.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Overcast. Disagreeable. Moderate gales to very fresh breeze from N. and W. blowing in gusts. Rough sea Lying to under mizzen storm staysail storm mizzen and steam. At 7.30 set fore storm staysail and close reefed main topsail Density 26

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast. Clearing up latter part of watch. Moderate to stiff breeze from N.N.W. Sea rough. Bar[ometer] unsteady falling latter part of watch. At 8.50 shook one reef out of foresail and main topsail and hoisted F.T.M. staysail hauled down T. S. staysail. At 10 crossed main top gallant yards. Fires banked in 4 boilers started distiller at 8.45 Density 26.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Weather overcast. Occasional rain squalls first half of watch. Clear and pleasant last half. Wind moderate from N.W. to W.N.W. At 12.15 changed course to E.S.E. Bar rising slowly Sea rough Ship rolling easily. At 3 shook one reef out of topsail and set main T.G. sail Density 26 At 3.50 took in main topmast staysail

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Clear Cool Pleasant Moderate N[ortherly] breeze. Cum Nimb clouds At 4.13 crossed fore top gall[ant] yard and set fore T. G. sail. Took down preventer braces Got up rolling tackles for fore yard Ship rolling heavily. Density 26 Sea rough Fires banked in two boilers Av[erage] press[ure] 20 lbs Distilling ship under T.G. sails single reefed topsails single reefed foresail.

Signed L. P. Jerrett
Master

From 6 to 8 P.M. Clear. Cool. Pleasant. Moderate breeze from W. Cir Cum Nimb clouds Ship rolling heavily On course E.S.E. Rough sea. Condensing Bar rising Density 26.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Cool. Occasional light sprinkling of rain. Moderate to fresh breeze from W. to W.S.W. Ship rolling heavily Bar steady. Sea rough Cum Nimb clouds passing rapidly to E. Distilling. Density 26.

Signed C. B. T. Moore
Ensign

Moons phase 2nd qr. Dec. S. 16 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	6	5	ESE	W by N	4-5		29.72	64	57	56	59	bc	Cir Cum	7	R	Single reefed topsails
2	6		"	"	4-5		29.73	64	57	56	59	"	"	6	"	T G sails single reefed
3	6		"	WNW	4-5		29.74	64	57	56	59	"	"	6	"	Foresail and F T M stays
4	6		"	"	4-5		29.74	64	57	56	59	bcl	"	7	"	
5	6	5	"	WSW	5-6		29.72	62	56	57	59	bc	"	7	"	Took in T.G. sails Set
6	6	5	"	"	6		29.74	62	56	57	59	"	"	7	"	T g sails and shook
7	6	2	"	"	6		29.78	66	57	56	59	"	"	7	"	reef out of foresail
8	6	0	"	"	5		29.78	66	58	57	59	"	"	5	"	
9	6	5	"	W	4		29.84	66	58	57	59	"	"	6	"	Set royals and F T M
10	7	5	"	"	4		29.84	67	58	57	59	"	"	8	"	staysail hauled down
11	7	8	"	WSW	4-5		29.83	65	58	57	59	"	"	6	"	main topmast staysail
Noon.	7	0	"	WSW	4-5		29.83	65	58	57	59	"	"	4	"	set lee clew of mainsail hoisted up spanker

[Note in left margin, at noon, reads "Sg 595"]

Distance run by Log since preceding Noon	137 knots	Tenths	8	fathoms.
Latitude by D. R. at Noon	S 35 °	59	'	"
Longitude by D. R. at Noon	W 24 °	59	'	"
Latitude by Observations at Noon ⊕	S 35 °	47	'	"
Longitude by Chronometer from Forenoon Observations ⊕	W 24 °	57	'	"
Current during the time	knots	5	tenths	per hour, setting to the N
Variation of the Compass by Amplitude ⊕ observed at Sunrise			°	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat 35° 41' S Long 35° 22' W.	W 11 °	30	"	"
Water expended during the preceding 24 hours		436	gallons.	
Water Condensed during the preceding 24 hours		1050	"	
Water remaining on hand fit for me at Noon		2080	"	
Coal consumed during the preceding 24 hours	tons		lbs.	
Coal remaining on hand at Noon	"		"	

[Note in left margin, at 1 PM, reads "Sg 696"]

P.M.																Jib and all plain
1	7	7	SE by E 3/4 E	"	5-6		29.80	63	57	56	59	"	"	2		sail
2	7	2	"	"	5-6		29.80	62	56	56	59	"	"	2	"	
3	7	0	"	"	5-6		29.81	61	56	56	59	"	"	8	"	Same
4	7	4	"	"	5-6		29.82	61	56	55	59	"	"	8	"	
5	7	6	"	"	5-6		29.83	61	56	55	59	"	"	6	"	
6	7	0	"	"	5-6		29.88	61	56	54	59	"	"	6	"	Took in royals and
7	6	6	"	"	5-6		29.88	61	55	54	59	"	"	8	"	one reef in topsails
8	6	4	"	"	5-6		29.88	61	55	54	59	"	"	8	"	
9	6	5	"	"	4-5		29.88	61	55	53	59	"	"	5	"	
10	6	2	"	"	4		29.98	61	55	53	59	bcl	"	9	"	
11	6	0	"	W	4		29.98	61	54	53	59	bc	"	9	"	Hauled up lee
Mid.	6	0	"	"	4		29.90	61	54	53	59	"	"	7	"	clew mainsail

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"
Longitude by Chronometer Observations		°	'	"
Variation of the Compass by Amplitude	observed at Sunset	°	'	"
Variation of the Compass by	at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday October 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Raining Cloudy Cool. Wind moderate to fresh fro W. by N. to WNW. Bar[ometer] rising slowly. Sea rough Ship rolling heavily at times. At 3 set fore topmast staysail Density 26. Lightening to W. last hour of watch.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear Cool Pleasant. Moderate to stiff breeze from W.S.W. At 4.15 took in T.G. sails At 7.30 shook reef out of foresail Shook reef out of topsails and at F.T.G. sail Sea rough Ship rolling heavily under fore T.G. sail, Topsails courses and fore topmast staysail Fires banked in two boilers Distilling. Density 26.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Clear Cool Pleasant Moderate to stiff breeze from N. and W. At 9 crossed royal yards set royals jib flying jib and main topmast staysail. At 9.30 hauled down main topmast staysail and at 11 hauled down and stowed flying jib. Set lee clew of mainsail and hoisted up spanker Ship on course E.S.E. Distilling Density 26 Bar[ometer] steady. Cir Cum clouds.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Stiff to very fresh breeze from W.S.W. Bar rising slowly Sea rough. Long swell from W. At 12.15 changed course from E.S.E. to E.S.E. 3/4 E. Distilling Density 26

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy Cool Fresh breeze from W.S.W. Bar rising rapidly Sea rough setting to E. Distilling Density 26.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear Pleasant Stiff to very fresh breeze from W.S.W. Cir Cum clouds At 6.10 took in and furled royals took in reef in topsails Ship under T.G. sails courses single to reefed topsails and jib Density 26. Fires banked in two boilers Av[erage] steam press[ure] 30 lbs. Distilling.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear Cool and pleasant. Moderate to breeze from S. and W. Cir Cum clouds Occasional lightening from W. At 10 hauled up weather clew of mainsail. Distilling Density 26 Ship rolling from 18° to 20°.

Signed Saml. C. Lemly
Ensign

Moons phase 2nd qr. Dec. S. 11°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, [NOTE: This page left blank]

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Noon.																
Distance run by Log since preceding Noon										knots	fathoms.					
Latitude by D. R. at Noon										°	'	"				
Longitude by D. R. at Noon										°	'	"				
Latitude by Observations at Noon ⊕										°	'	"				
Longitude by Chronometer from Forenoon Observations ⊕										°	'	"				
Current during the time										knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	"	"				
Variation of the Compass by Azimuth ⊕ observed at										°	"	"				
Water expended during the preceding 24 hours												gallons.				
Water										during the preceding 24 hours		"				
Water remaining on hand fit for use at Noon												"				
Coal consumed during the preceding 24 hours										tons	lbs.					
Coal remaining on hand at Noon										"	"					
P.M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Mid.																
Longitude by Chronometer from Afternoon Observations ⊕										°	'	"				
Longitude by Chronometer Observations										°	'	"				
Variation of the Compass by Amplitude										°	"	"				
Variation of the Compass by										°	"	"				

under the command

, U. S. Navy.

, 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

U.S.S. Essex, 3rd Rate

At sea, Lat S. 35° 47' Long W. 24° 57'

Oct. 6th 1878

I believe this to be a true copy of the log of
the U.S.S. Essex, 3rd Rate, from April 1st to Oct 6th 1878.

Asa Walker

Lieut. Navigator

Approved

W.S. Schley

Comdr. Comdg.

Examined and found to be correct

Navigator.